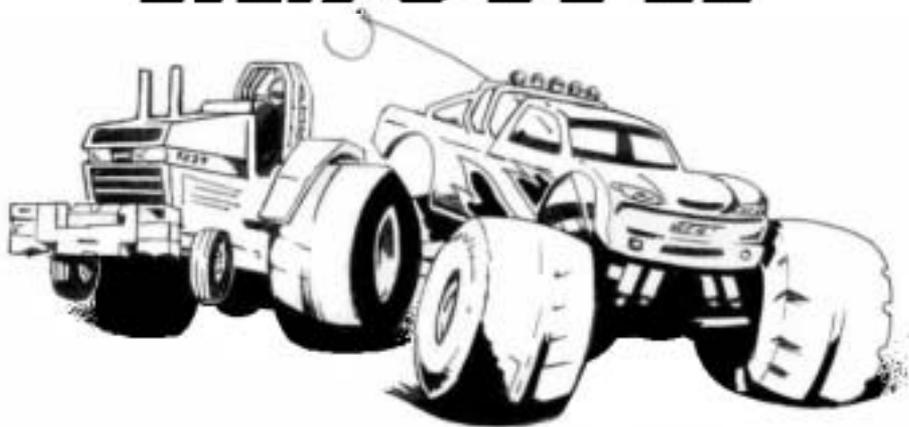


TM

NR/CTPA



NATIONAL RADIO CONTROL TRUCK PULLING ASSOCIATION

***World Championship Pulling
& Monster Truck Racing***

OFFICIAL RULEBOOK

Revised March 1, 2005

Version 6.5

FOREWORD

Welcome to the NR/CTPA Rulebook Version 6.5. This rulebook is the result of changes voiced to the Association by its members at the 2004 convention, as well as some industry dictated changes. The proposals were submitted to the convention by a senior member with 4 other senior members cosigning the proposal. Junior members (children under the age of 16) cannot vote or propose changes. The proposal was acted on at the convention and a majority vote was needed to get the proposal on the ballot. The changes were then ratified by the members by a 2/3 majority vote by mail ballot.

Every rule change proposed at the National Convention was voted on. The Executive Board has clarified the proposed changes in order to make them fit into the language of the rulebook correctly as per the new bylaws.

Please review this book carefully. We would like to thank the membership input at the 2004 National Convention and those who voted to ratify this years rulebook.

This Rulebook is a result of the 2004 National Convention and 2004 by law changes.

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NATIONAL RADIO CONTROL TRUCK PULLING ASSOCIATION

Purpose: To promote radio-controlled truck pulling, monster truck and tuff truck contests, and provide rules and assistance to members and affiliated clubs.

Dues:

<i>Individual:</i>	\$25.00 per year (U.S.) \$20.00 if registered club member
<i>Family:</i>	\$35.00 per year (Foreign) \$30.00 per year, \$25.00 if registered club members, includes all family members living in household under the age of 16. Two adult votes per household.
<i>Associate Member:</i>	\$20.00 per year (Hobby Shops only)

Includes: Membership card, rule book, decal sheet, subscription to R/C Puller, reduced or guaranteed entry fees at NR/CTPA-sanctioned events, and discounts on official NR/CTPA shirts and hats. (Associate membership includes membership certificate, rule book and newsletter.)

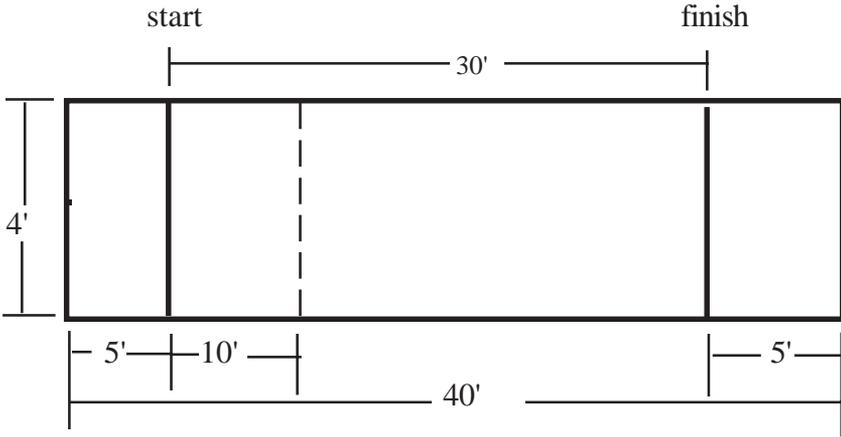
The rules in this book shall govern all competitions after March 1st 2005, and supersedes all previous editions. The NR/CTPA reserves the right to amend, change, or add to the rules according to changes affecting the sport. All attempts will be made to keep the rules fair and equal for all participants.

PULLING AND RACING ARE AT THE PARTICIPANT'S OWN RISK, THE NR/CTPA OR ITS AFFILIATED CLUBS ARE NOT RESPONSIBLE FOR ANY DAMAGE OR PERSONAL INJURY RESULTING FROM PARTICIPATION IN NR/CTPA-SANCTIONED EVENTS.

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TRACK SPECIFICATIONS



- Length:** 30-foot track
5-foot pull back area
5-foot runoff area
40 feet total
10 default line
- Width:** 4 feet
- Surface:** May be dirt, AstroTurf, carpet, or pavement.
(Dirt or carpet is preferred.)
- Default Line:** 10 feet from starting line

**Monster & Tuff Truck Drivers: These are your channels that will be used at NR/CTPA events
PULLERS DO NOT USE THESE**

27 MHZ, AM & FM Chs 2 & 5 (are shared)

**For 4WD Modified 4x4:
75 MHZ, AM & FM Chs 61, 66, 71, 81, 83, 86**

**all other racing classes:
65, 67, 75, 79, 85, 87, 89**

GENERAL RULES

IF IT IS NOT IN THIS RULEBOOK, CONTACT THE NR/CTPA OFFICE. ALL CLASSES BOTH PULLING AND MONSTERS TRUCKS ARE COVERED IN THESE GENERAL RULES UNLESS SPECIFICALLY MENTIONED OTHERWISE.

Whenever you see (*) please refer to Definition of Terms starting on page 27.

1. All vehicles covered by this rule book shall be radio controlled 1/12 or 1/10 scale cars, trucks, or tractors, and shall have a body* attached 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 factory production vehicles* only: Stock, Super Stock and Modified. 2WD and 4WD classes pull separately. Specifications for both 2WD and 4WD in each class appear on their respective pages in this rule book. Differentials may be locked and ball bearings are acceptable in all classes.
2. All classes are subject to post-and/or pre-pull tech inspection and weigh-in. Each vehicle is to be teched after each pull or race, and if found to be illegal, that pull or race is void.
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 vehicle 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 legality to the Competition Committee. If owner is unable to provide proof the NR/CTPA will ask the owner at that time to disassemble component in question. If the owner refuses request of disassembly the vehicle in question will be disqualified. After inspection if 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 manufactures suggested price. The ruling of the head track official is FINAL.
- 3A. There can be NO protest against the head track officials or their staff. Any Complaints must be in writing and filled with the Competition Committee.
4. Any participant may request an inspection of a vehicle in his/her class ONLY if suspected of rules violation. Participant must register a written complaint with the Competition Committee along with a fee of \$30.00 CASH. The owner of the vehicle in question will be notified by a competition committee member of the complaint. At that time the vehicle in question will be placed in impound. If disassembly is required the owner will do all disassembly of his/her vehicle under the direction of the competition committee. If the vehicle in question is found to be LEGAL the owner will receive the above fee. If the vehicle in question is found to be ILLEGAL the member filling the complaint will have the above fee returned, the vehicle would at that time be disqualified from the event and the owner will forfeit his/her entry fees. The decision of the Competition Director is FINAL.
5. Each puller has the option to restart his/her pull if you stop before the front of the sled reaches the 10-foot default line on both carpet and dirt tracks in round one ONLY. If this option is taken you must rehook immediately with no vehicle adjustments, only driving adjustments. If your vehicle does not make it off the line you have the

GENERAL RULES

opportunity to make vehicle adjustments on or off the track. On dirt if you make any changes to the vehicle the vehicle must have that change re-tched. The vehicle may leave the track for repairs but 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 DQ for that round.

- 5A. (HOOK AND GO) In second, third and final rounds, after the track official says to, you must place your vehicle on the track and immediately turn your vehicle on and or hook the sled chain to your vehicle and pull (Suggested that higher powered classes hook first for safety purposes). If your vehicle does not start or needs radio adjustment you will have a 1 minute grace period to make your truck run at the line (ex. radio trimming, checking wires, turning motor over). Other than these minor checks you CAN NOT make any repairs or adjustments to your vehicle or radio gear. Hook & Go or be disqualified.
6. Each puller has either an opportunity to make on track repairs and adjustments or be rotated to the back of the class for a final attempt in round one only. If you were the last puller in the class you have five (5) minutes for your repairs and adjustments. Vehicles removed from the track will be re-tched. In Second, Third, and Final rounds when it is your turn to pull you must immediately Hook your vehicle to the sled and pull (Hook and Go) or be disqualified from that round.
7. Order of pullers in each class may be determined by the order of registration. Random drawing at event is preferred (this may be left up to the local clubs/and or Event Director and announced at the drivers meeting). Random drawing at event is preferred. This will be left up to the event director. **Exception: Open II 2WD** Order of pullers in Round 1 will remain the same. In Round 2 the order will be reversed. Round 3 the shortest distances will pull first.
8. Start and finish of each pull shall be determined by an official starter using an audible or visual signal (e.g., whistle, flags, lights). The type of starting signal used will be announced at the drivers meeting.
9. Distance pulled will be measured from the front center of the skid plate to the rear edge of the starting line.
10. Ties will be broken by adding weight to the sled and re-pulling or another monster truck race. Batteries may be recharged. (This will be left up to the local clubs and/ or Event Director and announced at the drivers meeting.)
- 11A. Carpet Boundaries and Penalties If any item falls off the vehicle, the vehicle flips over backwards or sideways and or goes out of bounds the vehicle will be stopped at that point. A measurement will be taken from the front of the sled pan and a penalty of 12 inches will be deducted from the total distance pulled for that round. If the sled passes the vehicles part on the track the measurement and penalty will apply from the spot where the part lies. This process applies to all carpet tracks.

Out of bounds rules are as follows:

During a pull if any part of the vehicle touches, or hangs over the sideboards or crosses over the edge of the carpet surface the vehicle is out of bounds and a deduction of 12 inches will be assessed.

11B. Dirt Boundaries and Penalties

If any item falls off the vehicle, the vehicle flips over backwards or sideways the

vehicle will be stopped at that point. A measurement will be taken and a penalty of 12 inches will be deducted from the total Distance pulled for that round unless the vehicle goes out of bounds, which will result in a 36 inch deduction. If the sled passes the vehicles part on the track the measurement with a penalty of 12 inches will apply from the spot where the part lies. This process applies to all dirt tracks.

Out of bounds rules are as follows:

During a pull if any part of the vehicle touches, or hangs over the sideboards or crosses over the edge of the dirt pulling surface the vehicle is out of bounds. A measurement will be taken from the point of vehicle impact and a deduction of 36 inches will be assessed.

12. *Intentional jerking of the pulling sled will disqualify the contestant from that round of pulling only. Intentional jerking by design or otherwise will be determined by the Head Track Official and their decision is Final. See Definition of Terms 34 *Intentional Jerking.
13. 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 traction compounds* are not permitted in any class.
14. All weights must be firmly attached and of scale appearance*. All batteries, motors and non-scale appearing weights must be located under the body of the vehicle. Weight bar and/or weights must have a minimum of 1/4" clearance when set on a table. All four wheels must contact the table surface.
15. If the pulling sled malfunctions at any time during the pull, that pull will be null and void. The puller will be permitted to recharge his batteries and repull at a time determined by the track officials. Sled malfunctions shall be determined by track officials ONLY.
16. The Decisions on the Head Track Official and or Competition Committee Director are final and cannot be overruled.
17. Any production R/C pulling vehicle* shall be reviewed by the NR/CTPA and approved for a particular class based on the review.
18. A 30 second limit (except for 2WD Sportsman which will have a 1 minute limit) is to be imposed for the length of time to complete a pull from the start signal. If a vehicle has not completed the distance or been stopped by the sled prior to the 30 second mark, it will be signalled to stop and a measurement taken from that point. If a vehicle restarts according to Rule #5, the clock will be reset and started again at the start signal. On- or off-track repair time limits are to be decided upon by local club or Event Director prior to the start of the event and shall be announced at the drivers meeting.
19. Experimental vehicles not specifically addressed by this rule book are permitted to pull exhibition only. The decision to allow these vehicles to compete in their own class will be left up to the local club.
20. No automatic transmissions or transmissions that shift while in motion are allowed, except in Open Monster Truck & E MAXX.

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21. 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; no entry fees will be refunded. NO EXCEPTIONS. This will be decided by the event officials, competition committee, and or Executive Board.
 22. 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.
 23. The only persons allowed in the track area once the vehicle has started its pull would 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 and turning on and adjusting, and UN-hooking and turning off of the vehicle only. This shall include helping the driver prepare the vehicle to make its run especially in the bigger classes, which are more dangerous. They must leave the area prior to the pull starting. Any violation of this rule will result in disqualification of the round. Violations of the above rules will be determined by the head track official ONLY. (Exceptions) Handicapped members or children under the age of ten may have verbal or physical assistance.
 24. No walking with the vehicle. The driver must stand in one spot anywhere along the track. Pivoting to the right/left is permitted. (Exception: You may not stand on the track surface at the finish end of the pulling track for safety/vision reasons.) Violation of this rule will result in disqualification for the round. This will be up to the Event Director, exceptions may be granted for physical disability, ie. (vision) or excessive building interference
 25. No truck maximum per person per class. (This will be left up to the local clubs and/or Event Director and announced prior to the event.)
 26. A chassis may be entered only once at any event. For example: different bodies may not be put on the same chassis and run twice. Except in novice racing.
 27. All members will be expected to help in any way if asked at events if physically capable.
 28. No teching of brush hoods on any motor (laydown or standup) During post and/or prepull tech inspections the brushes and brush hoods will not be disassembled for technical inspections. However, during special inspections such as those in General Rule 3 & 4 the brushes and hoods may be disassembled and inspected to prove legality.
 29. a minimum of three (3) trucks per class be pre-registered and prepaid at least four (4) weeks prior to the Worlds in order to purchase trophies for said class. of Trophies. All exhibition classes be awarded Plaques instead of Trophies at the Worlds and Spring National events unless the class is sponsored.
 30. You cannot measure or tech your own class.

BOLINK DIGGER

BOLINK DIGGER

1. **Motor:** Must be a ROAR legal stock motor. 27 turn, 24 degree only. Must have original ROAR stamp on the can.
2. **Battery*:** Up to 6-cell, C-size maximum, 1/2 sub-C Minimum Must be in stock location.
3. **Chassis:** Must be in *stock configuration. Parts may be missing. *Stock aluminum rod may be used as hitch bar only. Holes may be drilled for mounts only. All unused non-factory holes must be filled with epoxy so as to maintain factory chassis weight. Axle bearings are allowed. No larger than a 64 tooth 32 pitch spur gear and no smaller than a 6 tooth, 32 pitch pinion. Aluminum hubs are allowed.
4. **Wheelbase:** Must be stock for that vehicle.
5. **Drive Tires:** Rear tires 3 1/2" maximum diameter, 2" wide maximum.
6. **Weight:** Maximum vehicle weight - 3 lbs. Nothing except the 12th scale body shall extend beyond front of chassis.
7. **Vehicle Dimensions:** Maximum vehicle length - 8" center to center, front axle to back axle. Maximum vehicle width - 9".
8. **Hitch:** Hitch is the wheelie bar. Rollers may be added for horizontal adjustment. Height is adjusted with tire sizing. No steel collars. May switch aluminum bar with plastic bar for hitch.
9. **Run Time:** 30 seconds
10. **Body:** Bolink replacement body or 1/12th scale.
11. **Front Tires:** Maximum front tire height 2 1/2 "-Stock tire size Minimum tire Height 1 3/8"

For DIRT COMPETITION ONLY

DIRT GARDEN TRACTOR

DIRT GARDEN TRACTOR

1. **Chassis:** can be factory production or a scratch built unit. Only one gear drop will be allowed (from motor pinion to rear axle drive spur) 2wd drive only
2. **Hitch:** max. hitch height will be 4 inches
3. **Body:** must be a garden tractor style either to look like a stock or modified garden tractor no mini rods.
4. **Length:** max. length will be 12" measured from rearmost part of the hitch to furthest forward point
5. **Wheel base:** will be 9" maximum
6. **Wheelie bars:** the wheelie bars can extend past the hitch a maximum of 2" wheels or skid plates will be allowed
7. **Motor:** 1 only. any 540 or 550 can non cobalt or neodyme magnet motors allowed. Astro Flite Pullmaster 1 or equivalent manufactured motor allowed \$115 limit.
8. **Batteries:** 6 C-size maximum. cells must be under the body no minimum size.
9. **Wheels:** front tires min. dia. 1" rear drive tires 4" max. dia. 2 3/4 max. width. Drive tires must have V bar tread design. TLT tires OK
10. **Weight** 4 # all visible weights have to be scale appearing.

**FOR DIRT TRACK COMPETITION ONLY
SAME RULES AS STPA GARDEN TRACTOR**

OUTLAW GARDEN TRACTOR

OUTLAW GARDEN TRACTOR

1. **Chassis:** can be factor production or a scratch built unit. Any gearbox or combination of gear reduction units will be allowed.
2. **Hitch:** max .2" for carpet.
3. **Body:** must be a garden tractor style either to look like a stock or modified garden tractor no mini rods.
4. **Length:** max. Length will be 13" overall 11 1/2' from center of rear axle to furthest point forward.
5. **Motor:** any .05 motor \$95 max.
6. **Wheelbase:** 9" maximum
7. **Battery:** 6 sub C cells maximum no minimum size
8. **Wheels:** front tires 1" min. dia. rear drive tires can be a maximum of 3 1/2" in dia. and a max. of 2 3/4' width
9. **Weight:** 4# max. all visible weights should be scale appearing.

10. **Runtime:** 30sec

FOR CARPET TRACK COMPETITION ONLY

2WD TRUCK

2WD TRUCK

1. **Motor:** Economy modified motor, limit one. Not exceeding a manufactures suggested retail price of \$50.00, motor limit one.
2. **Battery:** Up to 7 cells;C size maximum, no minimum limit. Batteries must be located under the body.
3. **Hitch:** 2" maximum and typical hitch* requirements
4. **Chassis:** May be scratch built or a combination of kit componets ;steel, aluminum, fiberglass or plastic. Any gearbox or combination of gear boxes may be used.
5. **Front Wheels:** 2 1/4 minimum dia. must be in *front wheel openings
6. **Wheelbase:** 11 1/2" maximum from rear axle to front axle point. 15" from center of rear axle to furthest point forward. Maximum width from sidewall to sidewall of tire 9"
7. **Vehicle Dimensions:** Maximum length 19" with body
8. **Drivetires:** Midnight pumpkin or wild willy tires only.
9. **Weight:** 7 lbs. Maximum
10. **Runtime:** 30 seconds.
11. **Body:** Must use a truck, van or car body only. everything must be under the body

MINI ROD

- 1. Motor:** Any readily available* R/C motor* not exceeding a manufacturer's suggested list price of \$90.00. Motor may be Astro Flight 05 or Pullmaster I. Maximum number of motors — 1.
- 2. Battery:** Up to 8-cell, C-size maximum, No Minimum. Must be located under vehicle body.
- 3. Chassis*:** May be scratchbuilt or a combination of kit components. May be any combination of steel, aluminum, fiberglass or plastic components. Any gearbox* or combination of gearboxes may be used.
- 4. Wheelbase:** No limitation within vehicle length limitations below.
- 5. Drive Tires:** Maximum diameter - 5 1/2".
Maximum width - 3 3/4".
Minimum diameter - 2 1/2"
Rubber bar agriculture tread tires only. No pin spikes or foam tires permitted.
- 6. Weight:** Maximum vehicle weight - 7 pounds equally distributed from center line of overall legal length of vehicle, i.e. 3.5 pounds on front, 3.5 pounds on back, center balanced*.
- 7. Vehicle Dimensions:** Maximum vehicle length - 17".
Maximum vehicle width - 12"
Measurements shall include all parts of vehicle (hitch, weights, body, etc.)
- 8. Run Time:** 30 seconds

BIG RIG

1. **Motor:** Any readily available* R/C motor* with a non-adjustable end-bell (stock motor*) or Econo Modified* motor. Maximum number of motors - 1.
2. **Battery*:** Up to 7-cell, C-size maximum, No minimum. Must be located under vehicle body.
3. **Chassis:** May be scratchbuilt or a combination of kit components. May be any combination of steel, aluminum, fiberglass or plastic components. Any gearbox* or combination of gearboxes may be used. 4" maximum hitch height. Refer to Definition of Terms #13.
4. **Wheelbase:** No limitation within vehicle length limitations below.
5. **Drive Tires:** 4 Wheel Drive. 3 1/2" between center of back axles. (plus or minus 1/16") 1/10 scale tires only. All four drive tires must be same size. 2" maximum width. Tires must be in factory wheel openings. No front wheel drive.
6. **Weight:** Maximum vehicle weight - 7 pounds equally distributed from center line of overall length of vehicle, i.e. 3.5 pounds on front, 3.5 pounds on back, center balanced*. May run non-center balanced on dirt only.
7. **Vehicle Dimensions:** Maximum vehicle length - 20". Maximum vehicle width - 11". Measurements shall include all parts of the vehicle (hitch, weights, body, etc.).
8. **Axle:** Must be fixed front axle. (No floaters.) Rear axles must be fixed solid to chassis (no floaters).
9. **Body:** Body must be 18 Wheeler or "Big Rig" body. All parts must be under said body.
10. **Run Time:** 30 Seconds

BRUISER

- 1. Motor** Any readily available* Stock Motor* or Econo Modified* motor. 1 motor allowed.
- 2. Battery** up to 7 cells. 1000mHr 2/3 C cell minimum size, C cells maximum size. batteries must be concealed
- 3. Weight** Maximum vehicle weight is 10 pounds all visible weights must be scale appearing all other weight must be hidden.
- 4. Chassis** Chassis may be scratch built or combination of kit components.
- 5. Tires** Maximum tire diameter 4 1/2" Maximum tire width is 2 3/4" tires may be cut, dual wheels not permitted, 4 tires max. Tire chains, added spikes, pins, etc. not permitted
- 6. Dimensions** Maximum vehicle length 24". Max. vehicle width 11 1/2". length must include all parts, weight rack, body, hitch, etc. of pulling vehicle.
- 7. Hitch*** Maximum hitch height 2". Includes all typical hitch* rules
- 8. Wheelbase** The maximum distance from the centerline of the front axle to the centerline of the rear axle is 11 3/4". The maximum distance from the centerline of the rear axle to the farthest point forward is 20". Wheels must fit in the body wheel wells
- 9. Misc.** Any scale appearing body allowed. No automatic or shift on the fly transmissions allowed. This will be the class for the shaft type trucks only "No straight direct shafts allowed" This class will require a drive line with universal joints. Gearbox must be located between front and rear gear housing.

4WD SCRATCHBUILT TRUCK

4WD SCRATCHBUILT TRUCK

1. **Motor** Any readily available* Stock Motor* or Econo Modified* motor. 1 motor allowed.
2. **Battery** up to 7 cells. 1000mHr 2/3 C cell minimum size, C cells maximum size. batteries must be concealed
3. **Weight** Maximum vehicle weight is 10 pounds all visible weights must be scale appearing all other weight must be hidden.
4. **Chassis** Chassis may be scratch built or combination of kit components.
5. **Tires** Maximum tire diameter 4 1/2" Maximum tire width is 2 3/4" tires may be cut, dual wheels not permitted, 4 tires max. Tire chains, added spikes, pins, etc. not permitted
6. **Dimensions** Maximum vehicle length 24". Max. vehicle width 11 1/2". length must include all parts, weight rack, body, hitch, etc. of pulling vehicle.
7. **Hitch*** Maximum hitch height 2". Includes all typical hitch* rules
8. **Wheelbase** The maximum distance from the centerline of the front axle to the centerline of the rear axle is 11 3/4". The maximum distance from the centerline of the rear axle to the farthest point forward is 20". Wheels must fit in the body wheel wells
9. **Misc.** Any scale appearing body allowed. No automatic or shift on the fly transmissions allowed. This will be the class for all other types of drive lines. Examples of this class are chain drives, direct shafts, and belt drive.

PRO STOCK (or SUPER STOCK) TRACTOR

- 1. Motor::** -Any readily available* R/C motor with a non-adjustable end-bell (Stock Motor*). or Econo Modified* motor Limit - 1.
- 2. Battery** -Up to 7-cell, C size No minimum Must be located under body and out of sight.
- 3. Chassis:** - May be scratch built, or a combination of kit components. Must resemble a farm tractor rail chassis. Any gearbox or combination of gearboxes may be used.
- 4.Drive Tires:** -Maximum Diameter, 6 1/2" Minimum size, stock EMAXX sized tires OK. Maximum Treadwidth 4 1/2" Must be agricultural single "V" type bar tread 2 Wheel Drive only . Cut tires for dirt pulling only.
- 5.Weight:** -Maximum vehicle weight- 10lbs.visible weights shall be suitcase style all other non suitcase will be hidden
- 6. Dimentions:** -Maximum vehicle length- 19". Maxmum vehicle width- 14" Measurements shall include all parts of the tractor (hitch, wheelie bars, wheels, weights body, etc.)
- 7.Hitch:** -Maximum hitch height: carpet-2" Dirt -2"
- 8.Body:** -Body must be a 1/10 scale Prostock or Super-Stock Farm tractor body May be any make, year or model. Must have fenders of some type. NO 4WD ALLOWED.
- 9. Wheel Base:** -Center rear axle to farthest point forward 15 1/2" Maximum NTPA 156" Center point rear axle to center point front axle 11 1/2" Maximum NTPA114
- 10.Wheelie Bars:** -suggested not required, wheels not required, No skid-plates, skid pads OK
- 11.Front Axle:** -May have tricycle type with single or double tires or a solid or pivoting type axle.
- 12.Miscellaneous:** -All tractors must have a complete Inspection if they are in an award place at the end of each round (up to event director)
- 13.Suggestions (Not Required)** Tractor should smoke, have a driver and transmission blanket for realism.
- 14. Run Time:** -30 seconds

Note* Actual tractor length is 18 3/4" Wheelie bars make up 19" total length

2WD* PRO MODIFIED

2WD* PRO MODIFIED

1. **Weight** 10# maximum
2. **Chassis** Chassis can be scratch built or manufactured
3. **Gearbox** any gearbox or combination of gearboxes
4. **Hitch** hitch 4" max as per NR/CTPA hitch* rules
5. **Body** body 10th scale car or truck no tractors allowed
6. **Wheelbase** max wheelbase 11 1/2"
7. **Length** max length 19" measured from the rearmost portion of the hitch to the most forward part of the truck
8. **Motor** 115\$ limit any 540 can not having cobalt or neodyme magnets available on national market
9. **Nitro Motor** .15 nitro motor max
10. **batteries** max 7 cells must be located under body
11. **front tires** min 2" dia
12. **rear tires** max 5 1/2 dia. max 3 1/4 wide bar tires only...

for dirt competition only

2WD SUPERSTOCK

- 1. Motor:** Any readily available* R/C motor* with a non-adjustable end-bell (stock motor*). Or Econo Modified* motor
Maximum number of motors - 1.
- 2. Battery*:** Up to 7-cell, C-size maximum, No minimum. May be relocated. Must be located under vehicle body*.
- 3. Chassis:** The chassis*, gearbox*, and suspension must be *original equipment for that vehicle. Gears may not be changed, except for motor pinion (minimum pinion sizes: 32 pitch 6 tooth; 48 pitch 9 tooth). No additional gearboxes are permitted. *Original suspension may be locked, no strut bars are allowed. Differential may be locked. Parts may be missing ie: battery covers, batteryholders to allow 7 cell packs, dirt covers and all items that are not suspension related. All *stock suspension parts must be present along with the shocks. May change axles to after market parts.
- 4. Hitch:** Maximum hitch height 2" and conform to all hitch* rules
- 5. Wheelbase:** Must be original for that vehicle.
- 6. Drive Tires:** Maximum diameter - 6".
Maximum width - 3 1/2".
Minimum tire diameter - 2".
Any tread type permitted.
- 7. Weight:** Maximum vehicle weight - 8 pounds.
- 8. Vehicle Dimensions:** Maximum vehicle length - 19". Maximum vehicle width - 16" Measurements shall include all parts of vehicle (hitch weights, body, etc.).
- 9. Misc:** For Dirt Track Competition Only

4WD BOX STOCK

4WD BOX STOCK

NOTE: This class is limited to factory production dual-motored 4WD vehicles only*

1. **Motor:** Any "readily available* R/C Stock Motor* with non-adjustable endbell. Or Econo Modified* motor. Maximum number of motors - 2.
2. **Battery*:** Up to 7-cell, C-size maximum, 1/2 sub-C minimum Battery and battery box must be in stock location.
3. **Chassis:** The chassis, gearbox and suspension must be the *original for that vehicle. Gears may be locked. Minimum pinion size - 8 tooth, 32 pitch, must be visible. Motor swing adapters are allowed. No additional gear boxes are permitted. Suspension may be locked at each wheel only. Aluminum steering mechanisms and gear case braces are allowed. Rear wheel steering may be locked. USA is allowed to use replacement metal dog bones that are produced by a R/C manufacturer. Parts may be missing ie: battery covers, battery holders to allow 7 cell packs, dirt covers and all items that are not suspension related. All *stock suspension parts must be present along with the shocks. May have ESC.
4. **Wheelbase:** Must be original for that vehicle.
5. **Drive Tires:** All tires must be of the same size and *stock for that vehicle. Bar tire only, no foam or street tires. May not cut tires. May stuff tires
6. **Weight:** Maximum vehicle weight - 14 pounds. No weight bars past the front bumper.
7. **Vehicle Dimensions:** Maximum vehicle length - 19.5"
Maximum width - 16".
8. **Steering:** Steering servo may be relocated. May use 1/4 scale servo.
9. **Run Time:** 30 seconds
10. **Body:** May be changed to lexan but must resemble a real type truck. Example: 1/2, 3/4, ton Ford, Chevy or Dodge etc. Max body length 19.5"

BAR TIRE SPORTSMAN

1. **Motor:** Any readily available* R/C motor* with a non-adjustable endbell (stock motor*). Or Econo Modified* motor. Maximum number of motors - 1.
2. **Battery*:** Up to 7-cell, C-size maximum, .No minimum
Must be located under vehicle body.
3. **Chassis:** May be scratchbuilt or a combination of kit components. May be any combination of steel, aluminum, fiberglass or plastic components. Any gearbox* or combination of gearboxes may be used. **The hitch is not to exceed 2"on carpet. 4" on dirt.**
4. **Wheelbase:** No limitation within vehicle length limitations below.
5. **Drive Tires:** Maximum diameter - 6 1/2".
Maximum width - 4 1/2".
Minimum tire diameter - 3".
Rubber bar agricultural tires only. No pin spikes, foam or street tires permitted.
6. **Weight:** Maximum vehicle weight - 10 pounds.
7. **Vehicle Dimensions:** Maximum vehicle length - 24".
Maximum vehicle width - 14". on carpet
16" on dirt
Measurements shall include all parts of vehicle (hitch, weights, body, etc.).
8. **Run Time:** 30 seconds

DUAL MOTOR SUPERSTOCK

DUAL MOTOR SUPERSTOCK

NOTE: This class is limited to factory production dual-motored 4WD vehicles only*

1. **Motor:** Any readily available* R/C motor* with a non-adjustable endbell (stock motor*). Or Econo Modified* motor. Maximum number of motors — 2.
2. **Battery*:** Up to 7-cell, C-size maximum, 1/2 sub-C) minimum Battery and battery box must be in stock location.
3. **Chassis:** The chassis*, gearboxes* and suspension must be *original equipment for that vehicle. Gears may not be changed except for motor pinion. No additional gearboxes are permitted. *Original suspension may be locked, no strut bars allowed. Gear-boxes must be in original location and direction (i.e., may not be reversed). Steering servo may be relocated. Rear steering may be locked. Parts may be missing ie: battery covers, batteryholders to allow 7 cell packs, dirt covers and all items that are not suspension related. All *stock suspension parts must be present along with the shocks.
4. **Wheelbase:** Must be original for that vehicle.
5. **Drive Tires:** Maximum diameter - 6 1/2".
Maximum width - 4 1/2".
Minimum tire diameter - 2 3/4".
Any tread type permitted.
6. **Weight:** Maximum vehicle weight - 12 pounds.
7. **Vehicle Dimensions:** Maximum vehicle length - 20".
Maximum vehicle width - 16"
Measurements shall include all parts of vehicle (hitch, weights, body, etc.)
8. **Run Time:** 30 seconds

*** FOR DIRT COMPETITION ONLY**

2WD* SPORTSMAN

- 1. Motor:** Any readily available* R/C motor* with a non-adjustable endbell (stock motor*). Or Econo Modified* motor. Maximum number of motors — 1.
- 2. Battery*:** Up to 7-cell, C-size maximum, No minimum. Must be located under vehicle body.
- 3. Chassis*:** May be scratchbuilt or a combination of kit components. May be any combination of steel, aluminum, fiberglass or plastic components. Any gearbox* or combination of gearboxes may be used.
- 4. Wheelbase:** No limitation within vehicle length limitations below.
- 5. Drive Tires:** Maximum diameter - 6 1/2".
Maximum width - 4 1/2".
Minimum diameter - 2 3/4" .
Any tread type permitted.
- 6. Weight:** Maximum vehicle weight - 8 pounds.
- 7. Vehicle Dimensions:** Maximum vehicle length - 24". Maximum vehicle width - 14". Measurements shall include all parts of vehicle (hitch, weights, body, etc.).
- 8. Run Time:** 60 seconds

CARPET COMPETITION ONLY

2WD*/4WD* OPEN I

2WD*/4WD* OPEN I

1. **Motor:** Any readily available* R/C motor* not exceeding a manufacturer's suggested list price of \$95.00. (Maximum motor size*: Diameter 2 1/4", Length 3 1/2") Maximum number of motors — 1.
2. **Battery:** Up to 14-cell, C-size maximum, .No minimum
Must be located under vehicle body.
3. **Chassis*:** May be scratch built or a combination of kit components. Any gearbox* or combination of gearboxes may be used.
4. **Wheelbase:** No limitation within vehicle length specifications below.
5. **Drive Tires:** Maximum diameter - 6 1/2".
Maximum width - 4 1/2".
Minimum diameter - 2 3/4".
Any tread type permitted.
6. **Weight:** Maximum vehicle weight - 12 pounds for carpet. 15 pounds for dirt
7. **Vehicle Dimensions:** Maximum vehicle length - 24". Maximum vehicle width-14"on carpet 16"on dirt
Measurements shall include all parts of vehicle (hitch, weights, body, etc.).
8. **Run Time:** 30 seconds

DUAL MOTOR MODIFIED

DUAL MOTOR MODIFIED

NOTE: This class is limited to factory production dual-motored 4WD vehicles only*

1. **Motor:** Any readily available* R/C motor* not exceeding a manufacturer's suggested list price of \$95.00. (Maximum motor size*: Diameter 2 1/4", Length 3 1/2") Maximum number of motors - 2.
2. **Battery*:** Up to 14-cell, D-size maximum, Battery may be relocated. Must be located under vehicle body.
3. **Chassis*:** Original or factory production* replacement. May be altered or modified. May be lengthened and/or reinforced with steel, aluminum, fiberglass and/or plastic.
4. **Suspension:** Original or factory production* replacements. May be altered or modified. May be made rigid. Strut bars are allowed.
5. **Gearbox*:** Original or factory production replacement gearbox for the vehicle. Gears may be changed only if they fit inside the gearbox. Additional gear reduction units are permitted. No chain, belt, o-ring or shaft drives permitted, gearboxes must run independent of each other. Gearboxes may be braced or supported. All axles and/or shafts may be modified.
6. **Wheelbase:** No limitation within vehicle length specifications below.
7. **Drive Tires:** Maximum diameter - 6 1/2". Maximum width - 4 1/2". Minimum tire diameter - 3". Any tread type permitted.
8. **Weight:** Maximum vehicle weight - 18 pounds on carpet 20 pounds on dirt
9. **Vehicle Dimensions:** Maximum vehicle length - 24". Maximum vehicle width - 16". Measurements shall include all parts of vehicle (hitch, weights, body, etc.).
10. **Run Time:** 30 seconds

INSANE CLASS:

INSANE CLASS:

1. Dimentions: Maximum vehicle Length/ width 18" x 12"
2. Weight: Maximum total weight 15#
3. Hitch: Maximum Hitch height 4" plus all NR/CTPA hitch rules ie: 5/16 hole (rigid attach ment/no movement) all vertical hitch rules, may be adjustable
4. Sheilding: Must have some kind of sheilding to con tain flying parts -may be the body
5. appearance: Must resemble some kind of pulling vehicle (a picture of the unusual styles is recommended)
6. Motor: No motor or engine restrictions (anything is allowed Gas or electric or anything safe.)
7. Saftey: Must have a kill switch for a saftey tether or another hitch just above the pulling one for a safety chain. If gas powered only 94 octane fuel (4 oz max). If gas or nitro must be hooked to sled or anchored before starting (a cradle or anchor)
8. Exhaust: IF GAS OR NITRO:Exhaust system must be adaptable to smoke emissions system for indoor running. Current emissions system has 2" hose to slip over tail/exhaust pipe/pipes all exhaust must exit through 2" smoke emissions hose.

**SAME RULES AS WEIGHT PULLERS OF CENTRAL N.Y.
DIRT COMPETITION ONLY**

GAS 2wd

1. General: Scratch built R/C pulling vehicles allowed.
One two stroke gas motor not exceeding 39cc
Any scale appearing body is allowed
2. Weight: Maximum weight of vehicle is 25#
3. Hitch: Maximum hitch height is 4" The hitch must be mounted in such a way as to not permit any movement Adjustable hitches are allowed but must be locked when pulling The hitch must incorporate a 5/16" hole (min.) located no more than 1/2" from it's rear edge Unusable hole must be covered
4. Dimentions: length/width must include all parts of the vehicle. hitch. weights, tires, & body
Max length 24" Max width 16"
5. Tires: Max tire diameter is 6 1/2 "Max width is 4 1/2"
tires may be cut Dual wheels are not permitted
4 tires maximum NO Tire chains, added spikes, pins, etc. are permitted
6. Transmissions: Automatic or shift on the fly transmissions are not permitted
7. Safety: Each vehicle must have a saftey "kill" switch the would kill the motor if the vehicle becomes unhooked from the sled (2nd chain on sled with hook for kill switch -hooks to ring on kill switch)
8. General: ``All vehicles must have either *original equipment or scratch-built shields around the cylinder, crankcase and flywheel/clutch. -Located in such a way as to contain flying parts Must be hooked to sled or anchored before starting (a cradle or anchor)
- 9 Fuel - As little as possible(4 fl.oz.MAX) -94 ocatane MAX All fuel must be contained within the fuel system
10. Exhaust: Exhaust system must be adaptable to smoke emissions system for indoor running current emissions system has 2" hose to slip over tail/ exhaust pipe/pipes all exhaust must exit through 2" smoke emissions hose.

**SAME RULES AS WEIGHT PULLERS OF CENTRAL N.Y.
DIRT COMPETITION ONLY**

2WD* OPEN II

1. **Motor:** Any readily available* Open II R/C motor*. (Maximum motor size*: Diameter 2 1/4", Length 3 3/4") Maximum number of motors — 6. Maximum wattage allowed by all combined motors 3100 watts*. **Motors must be approved by the NR/CTPA.** List as follows: Fine Design, Astroflight Pullmaster III, Astroflight Pullmaster IV, Astroflight 25, Astroflight 40, Astroflight Sport 60, Astroflight 60 and Graupner.
2. **Battery*:** Up to 28-cell, D-size maximum, Must be located under vehicle body.
3. **Chassis*:** May be scratch built or a combination of kit components. Any gearbox* or combination of gearboxes may be used.
4. **Wheelbase:** No limitation within vehicle length specifications below.
5. **Drive Tires:** Maximum diameter - 6 1/2".
Maximum width - 4 1/2".
Minimum diameter - 3".
Any tread type permitted.
6. **Weight:** Maximum vehicle weight - 20 pounds.
7. **Vehicle Dimensions:** Maximum vehicle length - 28" ..., Maximum vehicle width, 16". Measurements shall include all parts of vehicle (hitch, weights, body, etc.).
8. **Run time:** 30 seconds

MONSTER TRUCK & TUFF TRUCK COMPETITION

MONSTER TRUCK & TUFF TRUCK COMPETITION

GENERAL RULES

1. This is to be either a timed event or a drag race over an obstacle course including car crushes, jumps, and/or slalom course. If timed, each truck runs by itself against the clock. If a drag race, two trucks run side by side over identical courses.
2. Vehicles will be penalized for missing obstacles. At least two wheels on the same side of the vehicle must pass over each obstacle and at no time may the truck knock over any pylons. If a timed event, 2 seconds will be added for each obstacle missed or pylon knocked over. If a drag race, missing an obstacle or knocking over a pylon will disqualify that vehicle from that heat.
3. The course layout will be determined by the local club and/or Event Director and announced at the drivers meeting.
4. No track marshals are to be used to right overturned vehicles. If a vehicle overturns and cannot continue, it is disqualified from that heat. This will be left up to the local club and/or Event Director and announced at the drivers meeting.
5. No dual wheels* or tracks are permitted.
6. All four tires are to be the same size and same width
- 7.. All classes are subject to a post-and/or pre-race tech inspection.
- 8.. NR/CTPA specifications for ramps for all racing classes are as follows:18" to 24" wide, not to exceed 8" in height and 45 degree pitch
10. Front tires must be on starting line.
11. The first ramp in drag racing must be on the starting line.
12. Obstacle course and drag racing event must be setup so that it is safe for the participants, spectators and vehicles.
13. If a part falls off a vehicle when racing, the vehicle may finish the run but must be teched with said part missing

**MONSTER & TUFF TRUCK DRIVERS: THESE ARE YOUR FREQUENCIES THAT WILL BE USED AT
OFFICIAL NR/CTPA SANCTIONED EVENTS - PULLERS DO NOT USE THESE-
27 MHZ, AM & FM Ch 2 Ch 5 & 75 MHZ, AM&FM Chs 61, 66, 71, 81, 83, & 86**

MONSTER TRUCKS- 2WD TUFF TRUCK / 4WD BOX STOCK

2WD* STOCK TUFF TRUCK*

1. Motor: -One ROAR* motor, or original motor or 360 Mega /Mayhem motor
2. Battery*: -Up to 6-cell, C-size maximum, Battery must be in stock location.
3. Chassis: -The chassis* and gearbox* must be *original equipment for that vehicle. Gears may not be changed except for motor pinion. No additional gearboxes are permitted. Monster truck conversions are not permitted. Suspension must remain in stock location. Direct oil shock replacements are permitted. May change axles to aftermarket parts.
4. Wheelbase: -Wheelbase must be original for that vehicle.
5. Tires: -Maximum diameter 6 1/2" min. dia. - 4" Maximum width - 4 1/2"
6. Weight: -Minimum - 4 lbs.
7. Examples: -Blackfoot, Stampede, Hi-Rider, etc.

4WD* BOX STOCK MONSTER TRUCK*

1. Motor: 3 Motors allowed, 1. original, out of the box, 2. A ROAR* Motor , 3.Mega 360/Mayhem. Maximum number of motors (2)
2. Battery*: Up to 6-cell, C-size maximum, Battery must be in stock location.
3. Chassis: The chassis* and gearboxes* must be *original equipment for that vehicle. Original gears and pinion only. Monster truck conversions are not allowed. *Original Shocks and Suspension,- no modifications allowed-.After market ball bearings allowed on all axles and gear assemblies . No straight axles allowed. Entire chassis must be present in stock location and direction. Must use 4 wheel steering, may upgrade speed control.
4. Wheelbase: Must be original for that vehicle.
5. Tires: *Original Equipment for that vehicle. No cut tires
6. Weight: Minimum - 8 lbs.
7. Changes: Only changes allowed are to lexan body and ESC.
8. Examples: open to all types of 1/10 scale 4wd steer trucks that fit current rules including txt and juggernauts

4WD SUPER STOCK MONSTER TRUCK

4WD SUPER STOCK MONSTER TRUCK

1. Motor: - Any readily available* R/C motor* with a non-adjustable end bell (stock motor*) Or Econo Modified* motor. Maximum number of motors -2
2. Battery: - 7-cell C size Must be on top of chassis only.
3. Chassis: - May be *stock kit or factory replacement chassis such as Sassy Chassis, Bennett Equip.and E.S.P. ect. Stock wheelbase only. Oil shocks are allowed in stock location. No cantilever bars, *stock swing arms only. **NO SWAY BAR ALLOWED**. Ballbearings allowed. Can be 2 or 4 wheel steering, may change servo mounts,and upgrade with aftermarket steering and ball ends. May modifychassis with holes for increased suspension travel to compete with Sassy Chassis. Must use *stock gearboxes. May change axles to aftermarket parts. USA 1's may use slider ball links
- 4.Wheelbase: - Must be stock original.
- 5.Weight: - Minimum 7 3/4 pounds.
6. Tires: - Maximum diameter 6 1/2" Min dia 5 1/2" Minimum width 4" Maximum.width 4 1/2"-Must use a production V-tread kit tire only

2WD/ 4WD MODIFIED TUFF TRUCK

2WD* /4WD* MODIFIED TUFF TRUCK

1. **Motor:** Any readily available* R/C motor* not exceeding a manufacturer's suggested list price of \$95.00. (Maximum motor size*: Diameter 2 1/4", Length 3 1/2 ") 1 motor only
2. **Battery*:** Up to 7-cell, C-size maximum, Battery may be relocated.
3. **Chassis*:** May be after market, scratch built, or a combination of gearbox and chassis design. Pan car chassis allowed.
- 4 **Body:** Must run a truck or utility type body
5. **Wheelbase:** Not to exceed 14" when compressed.
6. **Tires:** Max. dia.- 6 1/2".Max. width 4 1/2".
Min. dia. - 2 1/2' ". Any tread type permitted.
7. **Weight:** Minimum - 3 3/4 lbs.
- 8 **4WD Class:** Rules the same but must be 4WD

4WD* MODIFIED MONSTER TRUCK*& 4WD TUBE CHASSIS

4WD* MODIFIED MONSTER TRUCK*& 4WD TUBE CHASSIS

1. **Motor:** Any readily available* R/C motor* not exceeding a manufacturer's suggested list price of \$95.00. (Maximum motor size*: Diameter 2 1/4", Length 3 1/2 ") 2 motors maximum
2. **Battery*:** Up to 14-cell, C-size maximum, Battery may be relocated.
3. **Chassis*:** May be of builder's design or after market replacement. No limitation on gearboxes*.
4. **Wheelbase:** Not to exceed 14" when compressed.
5. **Tires:** -Maximum dia- 6 1/2" minimum dia 5 1/2" 4" Min width 4 1/2" Max width Any tread type permitted.
6. **Weight:** Minimum - 7.25 lbs.
7. **Gearboxes:** Must have started life as a Clodbuster, USA1, TXT or Juggernaut 1 & 2

TUBE CHASSIS CLASS:

- Basic Rules:** The rules are the same for this class but must run a tube chassis*. No gearbox restrictions,
- Minimum weight:** 8.5pounds

OPEN MONSTER TRUCK / NOVICE CLASS

OPEN MONSTER TRUCK CLASS

1. Must be 4WD
2. No Weight, Motor, Cell, or Gearbox restrictions
3. Must be ni cad or metal hydride powered
4. Minimum tire size 5 1/2"
5. Same compressed chassis wheelbase as Modified Monster truck
6. May run a 2 speed gearbox

intent: The intent of this class is for more experimental ideas and less rules. This class is open to all makes of trucks but can only be entered in this class.

NOVICE CLASS

1. All family members may run the same truck in this class if they don't have separate trucks.
2. There will be a "breakout time" where if participants begin running comparable times to the class of truck they are running they will be expected to move up to a regular class. The "breakout time" is average for the whole class of the truck that is being run in the regular competition class.
3. The participants will not all have to run the same truck in this class. All different styles and classes may be run together 2WD or 4WD.
4. This is to be a fun class to introduce competitors to monster truck racing it is not expected to be highly competitive.
5. This is a beginners class to learn racing

STOCK E MAXX /MOD E MAXX/ EXHIBITION MNF CLASS

STOCK E MAXX

- 1. Requirements:** Stock E Maxx must be run with stock tires (not cut) stock chassis, factory suspension, Stock springs, stock pinion, batteries in stock location, **May change:** radio gear and servo, Must use stock esc (the EVX). bearings are allowed.
2. Batteries: Up to 12 cells
3. Weight Nine pounds

MODIFIED E MAXX

1. -All parts in production, be it manufacturer or after-market, are allowed to be used.
2. -\$95.00 retail price on motors
3. -Nine (9) pound minimum truck weight
4. -Allowed to run up to 12 cells

EXHIBITION MANUFACTURER'S CLASS

This class will be open to all makes of new monster trucks that come on to the market until we find a spot for them in our rules these trucks these must be run in "out of the box" form may change radio and radio gear if one comes with it.

DEFINITION OF TERMS

1. **2WD:** Shall constitute one rear drive axle with 2 wheels only.
2. **4WD:** Shall constitute two drive axles. One rear drive axle and two wheels. One front steerable drive axle and two wheels. For pulling vehicles there will be no more than 1" diameter difference between front and rear tires. No tandem axles allowed in 4WD classes All 4wd trucks must be true 4wd trucks. (Exception Big Rigs)
3. **R/C Motors:** Are to be motors that are readily available (see definition below) to the general buying public for R/C vehicles (car, boat, or plane only). Special motor modifications, custom-made motors or rewinds, whether handmade or ordered direct from the factory, are not permitted. A flat spot may be filed on the shaft or shaft may be shortened, only for securing a pinion, if not already provided. Exception: The 4.5mm x 5mm brush and hood (readily available R/C motor accessory) also known as the "P-94" brush hoods may be used on any 05 can size motor except ROAR legal motors.
4. **Stock Motors:** Are to be motors that are R/C motors with non-adjustable end-bells. You can not tamper with, in any way, the timing adjustments, which include the use of modified or cut brushes, which affect the timing. Ball bearings, External magnets, internal cobalt or neodyne magnets are not permitted. The 4.5mm x 5mm brush and hood "readily available R/C motor accessory" also known as the "P-94" brush hoods may be used on any 05 can size motor except ROAR legal motors. You can turn the commutator with a comm stick or a stock comm lathe only. No opening of the motor or removing of the armature allowed. You can change springs and brushes in the motor. Endbell bushings only.
- 4A. **Econo Modified:** Are to be motors that are "Readily Available" R/C motors. These shall be 05 can size modified motors with a maximum manufacturer's suggested list price of \$50.00. These may have ball bearings and adjustable timing. External magnets, internal cobalt or neodyne magnets are not permitted. You can turn the commutator with a commstick or a comm lath. The 4.5mm x 5mm brush and hood also known as the "P-94" brush hoods maybe used.
5. **Modified Motors:** Are to be motors that are R/C motors that are to be allowed to have an adjustable endbell, not exceeding a manufacturer's suggested list price of \$95.00. It will be allowed to adjust timing, run modified or cut brushes, motor is allowed ball bearings, turning the commutator down is allowed, a flat spot may be filed on the shaft, or the shaft may be shortened. Drilling holes in the end-bells is allowed to help keep motors cool. Mini Rod class may use any 05 motor only modified motor. Diameter 2 1/4", Length 3 1/2". No Neodym magnet motors allowed. The Pullmaster IV motor has increased in price over the \$95.00 limit due to cost increases by the manufacturers. It will still be acceptable since the motor hasn't changed in specifications.
6. **ROAR Motors** Any year ROAR motor will be allowed
7. **Open II Motors:** Are to be motors that are R/C motors with an adjustable endbell, not to exceed manufacturer's list price of \$325.00 per motor. It will be allowed to adjust timing, run modified or cut brushes, motor is allowed ball bearings, turning the

commutator down is allowed, a flat spot may be filed on the shaft, and the shaft may be shortened. Drilling holes in the end-bells is allowed to help keep motors cool. Diameter 2 1/4", length 3 3/4".

8. **Wheel:** An assembly consisting of 1 tire and 1 rim.
9. **Dual Wheel:** Dual Wheel - More than 1 tire on 1 rim or a combination of more than 1 tire with 1 rim on each side of an axle. No dual wheels are permitted. (Note: Foam tires may be molded or glued together to make 1 tire on 1 rim and shall not be called dual wheels.)
10. **Gearbox:** The unit consisting of gears, belts or chains and case or mounting brackets, used to transmit the output of the motor to the wheels. (NOTE: Additional gearboxes means more than 1 gearbox per motor.)
11. **Chassis:** Frame of the vehicle not including suspension, steering, body or gearbox.
12. **Body:** Shall be the shell that gives a vehicle it's shape and allows it to resemble a car, truck or tractor. The body may be cut to allow for the wheel openings and motor housings only. Custom work is allowed.
13. **Hitch:** The hitch must be constructed of strong rigid material and incorporate a minimum of 5/16 hole located no more than 1/2' from the rearmost end of the hitch drawbar. (ie. the sled pull chain must have a clear path from the hook to the sled with no interference from any part of the pulling vehicle). All hitches must be rigidly mounted. The 5/16" hole must be behind the axle. Maximum hitch height is 4" (measured from the track surface to the top of the drawbar for horizontal hitches or the top of the hole for vertical hitches). The measurement of the hitch height will be done by placing the vehicle on the tech table without applying downward pressure on any part of the vehicle at anytime during the inspection. All vertical hitches must have any holes over 4" taped or sealed before going to the line of any round of pulling. Hitch must be mounted in such a way as not to permit any movement either longitudinally, vertically or horizontally. Adjustable hitches are permitted, but must be locked in position when pulling. The same rules apply for 2" hitches. Insert 2" anywhere it says 4" above.
14. **R/C:** Shall mean Radio Control.
15. **Readily Available:** Shall mean R/C products available off-the-shelf from hobby shops, distributors or retail mail-order outlets only. Special modifications, custom-made motors, rewinds, parts or accessories, whether handmade or ordered direct from the factory, are not permitted. Exception: The 4.5mm x 5mm brush and hood (readily available R/C motor accessory) also known as the "P-94" brush hoods may be used on any 05 can size motor except ROAR legal motors.
16. **Maximum Motor Size:** Shall mean total outside length (bearing cap to bearing cap) and diameter measurements of the motor can, not including the armature shaft.

DEFINITION OF TERMS

7. **Factory Production:** Shall refer to any R/C product manufactured by a recognized R/C supplier in quantities of no less than 100 units per year. (Motors are governed by readily available R/C motor definitions. Factory Production definition does not apply.) Bodies are excluded from the 100 units per year rule as long as they are realistic.
18. **Super/ Modified Tuff Truck:** Shall refer to race-bred production trucks designed primarily for off-road or stadium-type racing. Includes buggy/monster truck conversions. (Examples: Losi JRX-T, Kyosho Outlaw Ultima, Tamiya KingCab, etc.)
19. **StockTuff / Monster Truck:** Shall refer to production trucks designed specifically as general purpose monster trucks and not osuper or modified tuff trucks. See Super/Mod Tuff Truck definition. (Examples: Tamiya Blackfoot and Clodbuster, Kyosho Big Brute and USA-1, etc.)
20. **Factory Production Vehicle:** Shall refer to any factory production vehicle kit originally manufactured for use other than a pulling vehicle, i.e. Kyosho Big Brute, Tamiya Clobuster, etc.
21. **Production Pulling Vehicle:** Shall refer to any vehicle, whether factory production or scratchbuilt, manufactured specifically for pulling.
22. **Center Balanced:** The vehicle, when set on a 3/8" wide balance beam will balance. There will be a mark on the vehicle chassis to show the center of the vehicle. This mark will be half the distance from the furthest most part of the front of the vehicle (ie, weights, body, etc.) to the furthest most part to the rear of the vehicle (i.e. hitch, tires, body, etc.). Example: If the vehicle weighs 7 pounds and is 17" long, the mark on the chassis will be at 8 1/2" with 3.5 pounds in front of the mark and 3.5 pounds to the rear of the mark. This mark will be checked by Tech Officials.
23. **Front wheel openings:** The open place that allows the front wheels to have clearance to move when turned right or left. The front wheel openings will be positioned behind the front most part of the body. Front wheels cannot extend more than one inch on both sides of the body. This includes all classes **except** 4WD and factory production plastic vehicles such as 2WD Stock and Super Stock where suspension must be original widthforthat vehicle's front end. **Exception:** if the vehicle is realistic or tractor-like in appearance.
24. **Scale appearance:** All external weights must be proportionate/scale to vehicle size, and may not extend more than 1/2" past either edge of the body, nor exceed 3" in height. All weights must be firmly attached.
25. **Tire Compound:** Anything that is foreign to that tire that was not made or put into tire the day it was made or produced is illegal. Tire glues are allowed to mount tires to rims or to glue two tires together to make a wider tire.

DEFINITION OF TERMS

26. **Sled:** All sleds must be chain driven. Sleds are not allowed to lock up before the finish line. The sled's pull chain will be 8" long and will be attached to the center of the skid plate no more than $\frac{3}{4}$ above the track surface.(except dirt digger which also may pull a string drive sled) The 8" will be measured from the skid plate to the inside of the hook. No twisting of the chain allowed. All sleds need a white or bright colored mark on the center of the skid plate (to the center of the front edge) or a small rod to stick up to mark. All measurements will be taken from this center identification point. (Not the easiest or nearest corner to measure.)
27. **Measuring devices:** All measurements at the tech table must be made with a normal ruler. **NO MICROMETERS**
28. **Tread Width:** Bar tire classes will measure maximum width with actual tread width not sidewall to sidewall.
29. **Wheelie Bar:** A device mounted to the rear of the chassis to prevent the vehicle from flipping over backward, after the vehicle's front wheels lose 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 dirt classes, skid pads may be added to wheelie bars for scale appearance instead of wheels.(Flexible straps for static grounding only are permitted to touch the pulling surface) Wheelie bars cannot be used to rock the vehicle back and forth. This will be considered intentional jerking of the sled, a violation of General Rule #1
30. **Battery:** Shall be NiCd or Metal Hydride cells only. Location, number of cells and size shall be determined and listed by class. All batteries must be encased in the original factory label or in clear shrinkwrap or clear tape. No opaque shrink wrap and or tape allowed. Batteries must be readily available R/C type. Example no rechargeable 3volt c size military issue.
31. **Front axle:** Hinged or floating axles which allow the steering tires to remain on the track surface should be the vehicle's front end rise **more than $\frac{3}{4}$ "** will not be allowed. The front axle will be mounted so that the front wheels line up with the front wheel openings on the body. Excluding plastic kit classes that must use a stock suspension.

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32. Tube Chassis: is a monster truck chassis made from tubular stock square or round, hollow or solid which the gear boxes and the suspension and all other components are mounted onto. A pan chassis with all things connected to it and tube running over that would not be a tube chassis. May not be made from a flat piece of material milled out to look like tubes. Must be permanently fastened together and not secured with nuts and bolts. Must have and run a roll cage and the burden of tube chassis design lies with the builder eg. (if a questionable chassis is produced that does not look like one that is currently racing in real life the validity of design lies with the builder/ owner- the proof would be a picture) The intent of this class is to be a replica chassis class.
33. *Stock / Original Parts that are related to these terms in the rules are not to be modified. They must be factory original for that vehicle. The same as it was when the kit came out of the box it was sold in. After-market parts are not allowed unless they are identical to the original ones
- .34. Intentional Jerking: Intentional jerking shall be the deliberate act of manipulating the throttle to forward the advance of the sled's position.

