

*West Texas*

*Garden Tractor Pullers*

*Association*



*Rule Book*

*2007-2009*

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## Membership

Membership in the WTGTPA consists of paying annual membership dues to pull at WTGTPA sponsored events. Membership and pulling season is January 1 thru December 31 calendar year. No prorated memberships.

Single: \$25.00 consists of 1 person only.

Family: \$40.00 consists of household members living under one roof. University organizations may use the Family membership.

Sponsor: \$200.00 consists of 4 memberships. Members must be listed on a membership form.

## Rules

### General

1. NO ALCOHOLIC BEVERAGES ALLOWED! Any person involved with a pulling event in any capacity (pit crew, pull helpers, etc), consuming alcohol or drugs before or during an event will result in disqualification and will not be allowed to participate in the event as determined by club official(s).
2. Tractors can pull two times in a class with different drivers.
3. Tractors allowed to exhibition pull may do so at one pull. If tractor returns it must meet the rules of a defined class.
4. \$10 hook fee per day for each class a tractor pulls. Two hook fees apply if tractor is pulled twice in a class.
5. No refunds after class has started.
6. Winners will be determined by the distance pulled.
7. The directors are to promote the club and perform executive duties of the club. They will also preside over any meetings, safety decisions and any protests.
8. All members are expected to help with the operation of the pull. Duties will include setup/teardown, flag person, sled operator, hooking and unhooking, track grading and any other jobs that need to be done. If unable to perform this duty, you will be responsible for finding another person.
9. All tractors must be signed in 1 hour before pull starts. If competitor is going to be late they may phone in the tractors they are going to be pulling. Mandatory Drivers meeting before pull starts.
10. All tractors must cross the scales before pulling in each class.
11. Pulling positions will be determined by drawing.
12. Anytime tractor is running on the pull site grounds driver must be firmly seated.
13. Any violation or failure to comply with these or any other club rules can result in immediate disqualification as determined by club official(s).

### Driver

1. ALL DRIVERS must sign a liability waiver. Any driver under 18 years old must have a parent or legal guardian sign for them.
2. ALL DRIVERS are responsible for knowing the contents of the drivers meeting and the rules.
3. Driver must be seated at all times and may not sit on the backrest. Drivers may straddle the seat but must remain in control with one hand on the steering wheel at all times.
4. Drivers must watch the flag person at all times.
5. No unsafe acts will be permitted on the grounds or on the track. i.e. no hot rodding, riders on tractor other than driver, etc
6. Each driver will have two tries to move the sled in the 50-foot distance. Any disqualification of a pull attempt in the trap area bars a second attempt.
7. Each puller will have three minutes to get hooked to the sled after it returns to the starting line. If a puller has a mechanical problem they may drop to the last pulling position of the class.
8. The first puller in each class has the option of taking the first hook or dropping last position in the class.
9. All drivers pulling first in a class are responsible for informing flag person if accepting or declining pull before leaving sled, i.e. Thumbs Up or Thumbs Down. If driver leaves sled without informing flag personnel, this

will be interpreted as driver accepting pull. If driver declines pull, they will drop to the last pulling position of the class.

10. Any driver must be old enough to handle the tractor. To be determined by the Club official(s).
11. Helmet is mandatory in all classes. Helmet must be D.O.T. or Snell approved. Chinstrap must be securely fastened.
12. Long pants and shoes are required unless class rules state differently. No short pants, sandals or open toe shoes.
13. Drivers of all tractors except Youth, Stock and Big Stock classes must wear fire suits or clothing which is labeled Fire Resistant or Fire Retardant on Original Manufacturers label. Fire suit must be zipped and closed to their fullest extent, including throat flap. Fire suit may be two-piece or jump suit.

### **Flag Personnel**

1. The flag person has complete control of the pull in progress and will also hold digging to a minimum.
2. The flag person has the right to stop a pull anytime they feel an unsafe act or condition exists.
3. The flag personnel will flag the driver when forward momentum has stopped. Forward momentum is defined to have stopped when the sled wheels are not turning.
4. The flag person is responsible for informing the scoring officials if the first driver in each class accepts or declines their pull.
5. The flag person is responsible for informing the driver if they did not go past the 50' mark and that the driver has one more attempt to complete the pull. Being past the 50' mark is defined as the sled crossing the 50' mark.
6. The flag person is responsible for informing driver if they are out of bounds.
7. The flag person must be 18 years old or older and will also sign a liability waiver.
8. The flag person's decision is final. If there is a complaint, that person will direct it to the appropriate channels.

### **Sled**

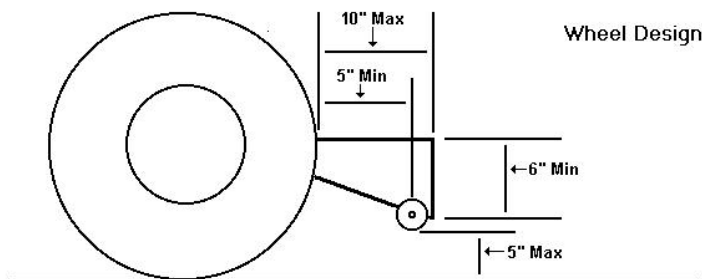
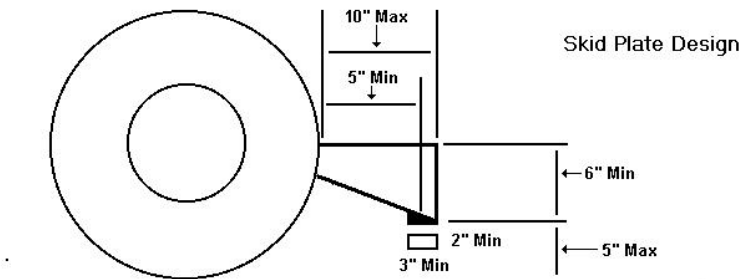
1. Sled operator has the right to stop the pull anytime they feel an unsafe act or condition exists.
2. Sled will be a weight transfer type sled.
3. Tractors may be pushed or driven back to the sled but must be in neutral while sled chain is being hitched or unhitched to tractor. All pulls must start with a tight hitch.
4. If the first two tractors in a class have full pulls and sled requires changes, class will be restarted with the original lineup.
5. Once a pull off has started, the sled cannot be reweighed or gear changes made until everyone has pulled.
6. The sled may be positioned anywhere on the starting line.
7. Sled operator will not be changed during the pulling of a class.
8. Sled chain is 36" long.

### **Tractor**

1. The tractor will be weighed with driver and all safety equipment.
2. Shifting of gears is permitted as long as forward momentum does not stop.
3. All power must be transmitted through the rear wheels.
4. Out of Bounds - Out of bounds is defined as chalk on either front or rear tires of tractor or breaking the vertical plane of the out of bounds stripe. Any tractor out of bounds is disqualified from the pull attempt. Sled is permitted to cross track boundary line. There is no out of bounds after the full pull line.
5. No tractor can be pulled until it has passed a safety inspection. No changes may be made to safety related items after it has been inspected. If any changes are made to safety related items tractor may not pull until it has been reinspected.
6. All tires must be of rubber type. No duals (unless in dual wheel class), tire studs, tire chains or paddle tires.
7. Foot and hand throttles must return to idle position when released. No wires, ropes, chains, strings or tarp straps on hand throttles. Rear most position will be idle.
8. All tractors will have a kill switch and be designed to provide easy hookup. Kill switch will have at least a 1&1/2 inch solid ring and will be mounted at least 12 inches above the hitch and within 4 inches of center of hitch. Kill switch must kill all power to engine, fuel system, if electric, and all engine components. If tractor stops due to kill switch falling out, pull attempt will be measured at that point. A 1/8 inch maximum tie strap

may be used to retain switch. Tie strap must be broken for a repull as determined by Club officials. Competitor is responsible for replacing kill switch mechanism and tie strap.

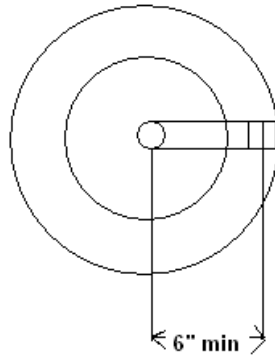
9. Tip over bars must support the weight of the tractor and driver and may be constructed with wheels or skip pads. Wheels will be at least 4 inches in diameter and 1 inch wide and have no plastic centers. Skid plates are to be at least 2 inches wide and 3 inches long at point of contact and be constructed of at least 1/8 inch steel.
10. All tractors will have tip over (wheelie) bars with bumpers. Bumper bars must be a minimum 6 inches in vertical height. Nothing shall extend behind the bumper bars vertical plane. i.e. skid pad or wheelie wheel
11. Bumper bar must not extend more than 10" behind the rear tire vertical plane. Center of wheel or skid pad must be a minimum 5" behind the rear tire vertical plane. Top of vertical bumper bar must be braced horizontally forward to a stabilizer bar or the frame.
12. No portion of the tractor will interfere with hooking and unhooking of the sled chain. If cross member is installed between tip over bars it must not interfere with the chain.



13. All tractors will have fenders covering at least 1/4 of the width of the tire.
14. All tractors will have a fire extinguisher with a gauge and be at least 1-1/2 pound dry chemical or equivalent and be within easy reach of the driver.
15. All seats will be secure and may not extend behind the rear tire vertical plane. The seat must have a backrest that stands a minimum of 3 inches above the seat surface.
16. All tractors must have functional steering and brakes.

### Hitch

1. Tractor hitch will not exceed 13 inches in height and must be rigid in all directions. Vertically mounted hitches are allowed. Hitch height will be defined as the center of the hole.
2. The hitch must extend at least 6 inches from the center of the axle to the rear of hitch hole. The hole will not be any smaller than 1-1/2" inches and not more than 2-1/4 inches in diameter and will have at least 1/2 inch of material all the way around it and will be at minimum 3/8 inch thick.



- Rear most part of hitch must not extend behind rear plane of the tire.



## Engine

- All exposed drive shafts, belts, clutches and starter generator attachment pulleys will be shielded as follows, 360 degrees with minimum 1/8" steel or 1/4" aluminum unless class rules state differently. Stock classes may run stock safety shields unless they have been modified to accept a clutch when they were not equipped with one from the manufacture (i.e. a hydro drive that has been retrofitted with a clutch) Clutch retrofit applications will be held to the more stringent rule found under Mini Rod 4 Cyl #6. All drive chains will be shielded at least top 180 degrees with 1/8" steel or 1/4" aluminum the width of the chain. Frame rails may be considered shielding if they are made from material of the appropriate thickness and type.
- Batteries on starter carts must be covered.
- Starter pulleys on classes that exceed 4000 rpm. (i.e. stock altered and up) must be billet and have bolt and washer in mounting shaft end. Shielding is not required.
- All fuel tanks will have an accessible, manual shutoff valve on the low pressure side of the pump. Tractors equipped with only a mechanical fuel pump that are not equipped with an electric fuel pump of any kind may locate shut off valve on the high pressure side of the pump if the following conditions are met, all fuel lines must be steel or steel braided with absolutely no plain rubber lines or hoses. Fittings must be steel, brass or aluminum and there will be no worm gear or spring type clamps anywhere in the fuel system what so ever.
- All engines will have shields on both sides of the block of minimum 1/16 inch steel or .090 inch aluminum with the exception of the stock and motorcycle classes. Shield will be as long as the block and to the bottom of the cylinder head and not more than 4 inches away from the block or as close as possible. They will not be bolted to the block at any point and will be supported on the top and bottom.
- All tractors must have fuel lines that are routed away from hot engine components.
- All engines that have a vibration damper/harmonic balancer must have a bolt through the middle securing it to the crankshaft. It will be shielded 360 degrees with minimum 1/8" steel or 1/4" aluminum. Inside diameter of shield shall not exceed 2" over the outside diameter of the balancer. Provisions such as tabs, bars or expanded metal must be used to contain balancer inside shield. Billet or SFI approved balancer or dampener does not require shielding.
- All tractors will have vertical upright exhaust pipe(s) a minimum of 12 inches and plus or minus 10 degrees from vertical. Tip outs to deflect exhaust are prohibited. The only exception is for a muffler, which may be used in place of vertical exhaust pipes.

9. No nitro, nitrous oxide or pressurized fuel tanks or systems of any kind are permitted in any class.

### **Weights**

1. All weights must be secured to the tractor. Sitting on weights in the tractor seat is prohibited. Any weights or ballast falling off tractor while hooked to the sled will be disqualified for that pull attempt.
2. If any part of tractor falls to the ground, the pull attempt is disqualified.
3. No weights or weight holding devices are to extend behind rear tires rear vertical plane. Except for dual wheel class.
4. Wheel weights must not have any threaded rods protruding from weights.

## **Class Rules**

Youth.....	900 lb.
Stock.....	1050 lb.
Big Stock.....	1100 lb.
Stock Altered.....	1150 lb.
Super Stock.....	1250 lb.
Small Bike 650cc.....	1300 lb.
Big Bike 1200cc.....	1300 lb.
L&G Outlaw.....	1450 lb.
Mini Rod 4-cyl.....	1500 lb.
Super Rod 8-cyl.....	1700 lb.

### **Youth**

1. Youth class is for youth age 7 up to and including 14 years olds.
2. Competitor may compete in the adult or youth classes but not both.
3. Tractors will be Stock Class tractors and must conform to Stock Class rules.
4. Competitor must be able to "handle" tractor as determined by Club official(s).
5. A remote kill switch for parent or legal guardian walking alongside to kill tractor is allowed.
6. All other rules in the rulebook apply to the Youth class.

### **Stock**

1. Single or Twin cylinders, complete stock motor only not exceeding 14 HP from the OEM, maximum 32 cubic inches.
2. 0.330 Maximum cam lift.
3. Maximum 1" venturi carburetor.
4. Air cleaner and filters are optional.
5. Throttle to be run through a working governor with factory or man made positive stop mounted on engine block, (no slippage).

6. Stock bore and stroke, cylinder must not exceed 0.030 over the original bore diameter.
7. Stock valves diameters only for block being used.
8. Porting and polishing is not allowed.
9. 4000 rpm maximum.
10. Gasoline or diesel only.
11. Stock wheelbase only for make and model of tractor. Maximum tractor length is 6'6" as measured from center of rear axle to farthest most forward point.
12. Tractor must have hood and grill.
13. Maximum drive tire size: 23x10.5x12.
14. Tractor must have stock rear-end of a lawn and garden type.
15. Transmission gear ratio changes allowed.
16. Tractor must use stock garden tractor type frame, only modification for engine change allowed.

### **Big Stock**

1. Single or Twin cylinder, complete stock motor only not exceeding 25 HP from the OEM.
2. 0.330 Maximum cam lift.
3. Maximum 1" venturi carburetor.
4. Air cleaner and filters are optional.
5. Throttle to be run through a working governor with factory or man made positive stop mounted on engine block, (no slippage).
6. Stock bore and stroke, cylinder must not exceed 0.030 over the original bore diameter.
7. Stock valve diameters only for block being used.
8. Porting and polishing is not allowed.
9. 4000 rpm maximum.
10. Gasoline or diesel only.
11. Stock wheelbase only for make and model of tractor. Maximum tractor length is 6'6" as measured from center of rear axle to farthest most forward point.
12. Tractor must have hood and grill.
13. Maximum drive tire size: 26x12x12.
14. Tractor must have stock rear-end of a lawn and garden type.
15. Transmission gear ratio changes allowed.
16. Tractor must use stock garden tractor type frame, only modification for engine change allowed.

### **Stock Altered**

1. Engines may be 1 or 2 cylinders, not exceeding 50 cubic inch from the OEM. Single engine only, multiple engines are not allowed.
2. Must have garden tractor type carburetor, 1.2" maximum venturi. Maximum 1" carburetor standoff is allowed.
3. Cylinder must not exceed 0.030 over original bore diameter.
4. Stroke must meet OEM spec for that engine.
5. Porting and polishing allowed.
6. Stock valve diameters only for block being used.
7. No aftermarket blocks allowed.
8. Heads must be OEM stock. Head modifications are allowed.
9. Gasoline, diesel or alcohol.
10. Exhaust may be modified.
11. Engines may be changed.
12. Engine RPM may be modified. Over 4000 rpm requires steel or billet flywheel with minimum 1/8 inch steel or 1/4 inch aluminum 360 degree shield.
13. Camshaft modifications are allowed.
14. Engines must be naturally aspirated.
15. Tractor must have stock rear-end of a lawn and garden type.
16. Transmission gear ratio changes allowed.

17. Clutch changes and modifications allowed.
18. Tractor width shall not exceed 60 inches. Maximum tractor length is 6'6" as measured from center of rear axle to farthest most forward part.
19. Tractor must use stock garden tractor type frame.
20. Tractor must have hood and grill.
21. Maximum drive tire size: 26x12x12.

### **Super Stock**

1. Maximum engine displacement: 50.5 cubic inches, single or twin cylinder.
2. No after market blocks allowed.
3. All other modifications allowed.
4. Engine must be naturally aspirated.
5. Engine RPM may be modified. Over 4000 RPM requires steel or billet flywheel with minimum 1/8 inch steel or 1/4 inch aluminum 360 degree shield.
6. Gas or alcohol only.
7. Transmission and rear-end shall be lawn and garden tractor type.
8. Transmission gear ratio changes allowed.
9. Tractor width shall not exceed 60 inches. Maximum tractor length is 6'6" as measured from center of rear axle to farthest most forward part.
10. Tractor must use stock garden tractor type frame.
11. Tractor must have hood and grill.
12. Maximum drive tire Size: 26x12x12.

### **Motorcycle (Small Bike and Big Bike)**

*Rules for the two Motorcycle classes are the same. Block size shall not exceed 650cc, Small Bike or 1200cc, Big Bike from OEM.*

1. All other modifications allowed.
2. Homemade type tractors are permitted.
3. Engines shall not exceed 4 cylinders.
4. Gas or alcohol only.
5. Tractor must have hood and grill.
6. Tractor shall be equipped with a minimum 3/8 inch cable securely attached to differential housing or frame, extending around hitch point so that it lies within sled hook.
7. Naturally aspirated engines only.
8. Tractor width shall not exceed 60 inches. Maximum tractor length is 8' as measured from center of rear axle to farthest most forward part.
9. All rotating parts must to shielded 360 degrees with minimum 1/8" steel or 1/4" aluminum except for drive chains. Drive chains must be shielded top 180 degrees with minimum 1/8" steel or 1/4" aluminum the width of the chain. Frame rails may be considered shielding if made from appropriate material and thickness.
10. Maximum drive tire size: 26x12x12.

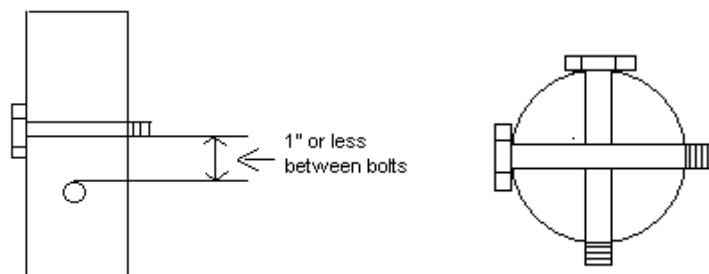
### **L&G Outlaw**

1. Weight – 1450
2. Gas, alcohol or diesel fuel only
3. 2 or 4 Cycle engines
4. Any frame, rear end setups, or transmission setup
5. Tractor width shall not exceed 60 inches. Maximum tractor length is 8' as measured from center of rear axle to farthest most forward part.
6. Motor Restrictions – MAX 3 CYL. PER MOTOR 6 cylinder's total, anything else goes.
7. 1 Supercharger or 1 turbocharger is allowed per tractor.
8. All turbochargers exhaust and compressor housings will be shielded 360 degrees with 1/8-inch steel or 1/4 inch aluminum. Exhaust pipe will have 2-3/8 inch grade 5 bolts and will be 90 degrees from each other, and not more than 1 inch apart vertically.

9. Supercharger Mounting Restraint – The restraint system shall consist of 4 separate straps, one on each corner of the supercharger, with each strap securely fastened to the engine by means of its own attachment bracket. Each bracket must use minimum 5/16-inch grade 5 bolt.
10. Flywheel – lawn & garden engines; same flywheel rules apply. **NO REVVING OVER 4000 RPM'S UNLESS USING A BILLET FLYWHEEL.**
11. Tractor shall be equipped with minimum 3/8-inch cable securely attached to differential housing or frame, extending around hitch point so that it lies within sled hook.
12. All other general shielding rules apply.
13. Maximum drive tire size: 26x12x12
14. Dual wheel and all wheel drive allowed

### **Mini Rod 4-cyl**

1. Engine must be OEM block not to exceed 4 cylinders, all other modifications allowed.
2. Homemade type tractors are permitted.
3. Gas, alcohol or diesel only.
4. All tractors with flywheels must have SFI approved housings or the clutch, pressure plate and flywheel must be shielded 360 degrees with minimum 1/4 inch steel or 3/8 inch aluminum.
5. Flex plates must have SFI approved shield or minimum 1/4 inch steel or 3/8 inch aluminum, 4 inch wide shield on top 180 degrees
6. All rotating parts must to shielded 360 degrees with minimum 1/8" steel or 1/4" aluminum except for drive chains. Drive chains must be shielded top 180 degrees with minimum 1/8" steel or 1/4" aluminum the width of the chain. Frame rails may be considered shielding if made from appropriate material and thickness.
7. All automatic transmissions shall have SFI approved scatter blanket or scatter shield or be shielded 360 degrees with minimum 1/4inch steel or 3/8 aluminum.
8. Tractor shall be equipped with a minimum 3/8inch cable securely attached to differential housing or frame, extending around hitch point so that it lies within sled hook.
9. Superchargers and turbochargers are allowed.
10. All turbochargers exhaust and compressor housings will be shielded 360 degrees with 1/8 inch steel or 1/4 inch aluminum. Exhaust pipe will have 2-3/8 inch grade 5 bolts and will be 90 degrees from each other, and not more than 1" apart vertically.



11. Supercharger Mounting Restraint. The restraint system shall consist of 4 separate straps, one on each corner of the supercharger, with each strap securely fastened to the engine by means of its own attachment bracket. Each bracket must use a minimum 5/16 inch Grade 5 bolt.
12. Tractor width shall not exceed 60 inches. Maximum tractor length is 8' as measured from center of rear axle to farthest most forward part.
13. Maximum drive tire size: 26x12x12.

### **Hot Rod 8-cyl**

*Rules for the Hot Rod class are the same as the Mini Rod class with the following exceptions.*

1. Engine must be OEM block not to exceed 8 cylinders.
2. Naturally aspirated engines only.
3. All other modifications allowed.

# Notes

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