



**XTREME**



**DEMO DERBY RULES**

**MCLEOD COUNTY FAIR 2012**

August 19, 2012 - 5:00pm

**GENERAL INFORMATION FOR ALL DRIVERS**

1. All rules will be followed, or you will not run!
2. More than one driver is allowed per vehicle as long as both drivers are registered.
3. Any mass produced American make sedan or station wagon can be run. No Sedagons, No Imperial sub-frames/steering components, ambulances, hearses, limousines, checker board taxies.
4. No reinforcements allowed other than specified below. Any other metal added to reinforce the car is illegal!
5. No drivers under the age of 16 allowed. Ages 16-17 must have a parent's signature.
6. Driver must wear seat belt, helmet, eye protection, long sleeves and long pants at all times when operating vehicle.
7. ALL cars and drivers must be on the grounds by 3:00pm.
8. ALL drivers and crew members must attend the drivers meeting.
9. DO NOT hit the driver's door! Sometimes this happens, but if it looks intentional or careless you will be disqualified. Don't use your door as a shield; it may cause you to get disqualified or hit.
10. No "Hot-Roding" in the pits. Keep your car at an idle.
11. You are allowed to have one fire during a heat. You will be immediately disqualified from the heat upon a second fire.
12. NO sandbagging or holding!!! You will be disqualified!!!
13. You are given 1 minute for aggressive hits, hang ups, and restarts.
14. No alcohol in the pits, if anyone is caught with alcohol, they will be disqualified, this includes their pit crew.
15. No children unless accompanied by an adult.
16. No pets allowed in the pit area.
17. Any controversies will be discussed at the drivers meeting.
18. Judges decisions are FINAL!!!
19. All cars are placed in heats by a random drawing.

20. No 2-way communication devices allowed.
21. Car/truck may not have any profanity, or objectionable text, graphics, or photos, ect. This includes fictitious sponsors.
22. All vehicles need to be gone the night of the race or by 10am the next morning or they become property of the McLeod County Fair, unless you have prior arrangements with the Fair Board. Please clean up any parts around you and the arena area.
23. Any unnecessary use of foul language or gestures projected at flagmen, judges, fan or other drivers will mean disqualification.
24. No working on cars after inspections.
25. Consolation Heat Winner may enter the Championship Heat. The Consolation Heats need at least 3 cars to run the Heat.
26. Drivers MUST remain in their vehicles during the heat unless instructed by an official.
27. The McLeod County Fair Board Demolition Derby Committee reserves the right to expel or exclude any participant from any current or future participation in the County Fair Demolition Derby for misconduct or violation of rules.
28. All vehicles are subject to re-inspection at anytime. Any violations found will be ground for disqualification and/or forfeit of all money and prizes for the night.

## **GENERAL PREPARATION**



1. Each vehicle must have a number fin on the roof of the car. Fins must be a minimum of 18” by 18”with a visible number (black sign with white letters).
2. All flammable materials inside the car must be removed except necessary safety padding and seat.
3. All glass, plastic, and pot metal must be removed. Nothing may remain in the bottom of the doors or trunks. All outside hardware must be removed (mirrors, chrome, moldings, screws, fiberglass, station wagon decking, hubcaps, wheel weights, etc.)
4. Front seats must be securely mounted to the floor; however, if you are using bolts to secure the seat, they may not go through the frame. Must have some form of an operable seat belt- either OEM or racing style. A shoulder harness is recommended in super stock and truck classes.
5. Large holes in firewall (from the removal of heat/air conditioning components, etc.) must be reasonably patched for fire protection. You may cut an opening in the firewall for distributor clearance. Overall safety will be determined by officials at the time of inspection.

6. You must have at least one 12"x12" minimum diameter hole in hood for fire suppression located a minimum of 6" behind radiator fan.
7. Suspension must be standard factory equipment. No ALTERING ALLOWED (no leafs on coil cars vise/versa). Air shocks allowed if factory.
8. Floor shifter allowed. Holes in the floor are allowed to accommodate the transmission shifter, fuel lines, transmission lines and wiring. Patching holes is for safety – not reinforcement. If patching rust holes you may only use sheet metal and may not exceed 2" beyond where rust stops.
9. All cars must display the ability to stop. Loss of braking ability may be subject to disqualification.
10. Each car restricted to approximately 6 gallons of gas per heat. Stock gas tanks MUST be removed prior to entering derby grounds. Gas tank is to be made of steel secured by metal straps, bolted to the floor, protected on all sides, and located behind the driver. NO ratchet straps. Any gas lines other than standard equipment must be located inside the middle of the car. Outlet to fuel pump must be through a tight connection to tank. Gas lines that run through firewall must be made of steel or high pressure hose. Any car leaking fuel will be flagged out. Electric fuel pumps are allowed in all classes. Toggle switch must be clearly marked and accessible.
11. Only one 12 volt battery is allowed, must be located in front seat area, battery must be covered to protect driver, must be mounted in box and bolted to the floor, no ratchet straps allowed.
12. Bracing behind driver's seat to door post on passenger side is permitted for driver protection. If dash is removed a 2" pipe or tubing is allowed to be welded where dash was removed. In car safety cage (super stock and truck classes) may be welded or bolted to the frame behind driver's seat.
13. All cars and trucks must have a rod or flat metal welded or bolted vertically where the windshield was removed.
14. Hardtop cars (without a door post) may weld or bolt a safety strap on each side, no greater than ¼" thick by 4" wide with no more than 5" of contact on doors. This does not apply if you have installed a roll loop. Roll loops are allowed in Super Stock and Truck classes ONLY!
15. Washers for any use cannot be larger than 4"x4" x 1/4" where bolts are used.
16. Transmission coolers (no roof mounts) allowed in all classes.
17. No pinning or stuffing of frames.
18. No distributor protectors. No tranny protectors. No mid plates.
19. No Mid plates.

20. No full engine cradles.
21. Engine Cradles allowed but cannot be attached to the frame. Only motor mounts can be attached to the frame. Engine mounts may be welded solid or chained. No strapping to frame rails.
22. No radiator protectors. No homemade radiators allowed.
23. No Spray foam allowed in any class.
24. No stuffing of bumpers.

#### **ADDITIONAL RULES FOR COMPACT CARS (4 OR 6 CYLINDERS ALLOWED)**



1. Compact cars will have a measurement of 104" or less from center of spindle to the center of the Axle.
2. Door, hood, and trunk shall be chained, bolted cabled, or strapped (pick only one). Drivers door may be welded top, bottom, and sides. All other doors may have no more than 3 feet of welded strips. Hoods may have approximately 1 foot of angle iron welded on each side to hold the hood closed and or (4) 3/4" bolts only two of the four bolts can be welded to frame. Stock bumpers and mounts only. Bumpers may be welded to frame with NO additional reinforcement.
3. Use of standard 4-ply tires only. Snow and mud tires allowed. Tubes in the tire are allowed. NO tire in the tire is allowed.
4. Bumper height is to be no higher than 21" from bottom of bumper to the ground.

#### **ADDITIONAL RULES FOR CHAIN STOCK (105" Wheelbase & Greater) 80'S AND NEWER**



1. Any mass produced 2-wheel drive cars General Motors 77 or newer, Ford 78 or newer, Chrysler 80 or newer, wagons allowed. Must be of a Metric body, No Ford Extruded framed cars allowed. For questions call Jon Christensen (320)-587-5663.
2. Absolutely NO welding or cuttings of body, wheel wells, frame or bumpers allowed. No notching or dimpling of frames or bodies. No tire in tire allowed. May cut holes for chain in doors, hood, and trunk. No tucking, bending, or shaping of body lines, hoods or trunks.
3. Doors allowed to have two chains or 2-3"x3" straps welded per door. Driver's door may be welded rather than chained and must have brace on inside or outside for drivers safety. Bracing behind driver seat is allowed.
4. Trunk and hood must be chained (NO WELDING), 6 chains each. No Frame repair is allowed.
5. Push button and toggle switch are allowed

6. Welding of rear-ends is allowed. Suspension and rear ends must be factory stock for model year. No changing or intermarriage of rear-ends. Motor swap GM to GM and Ford to Ford ect. allowed with no set back. Motor mounts are to remain stock.
7. No strapping of motors.
8. Exhaust can be through the hood.
9. Floor shifters allowed.
10. All glass, plastic, rubber, fiberglass, trim, white metal must be removed as stated in general rules.
11. Tubes in tires and valve stem protectors are allowed. Tire in tire NOT allowed. No greater than 15" 4 ply tire allowed. Air only!
12. Can run without bumpers. Front bumpers cannot be used as back bumpers and vice versa.
13. This is a Chain Stock Class. Vehicles are to be STOCK other rules listed above or you will run with the Super Stock class.
14. Drive shafts must remain stock for model year.
15. Dash bar and behind seat bar only. No door bars or full cages. No gas tank protectors.

#### **ADDITIONAL FULL SIZE SUPER STOCK AND 80'S AND NEWERS SUPER STOCK**



1. 80's and newer cars must be of a metric body.
2. Any mass produced 2-wheel drive car of your choice can be accepted, No Sedagons, No Imperials, No Imperial sub frames, or steering components allowed.
3. No tilting of extruded frames for 80's and Newer class.
4. You may replace the aluminum engine cradles with a stock older Ford cradle. It must be in the stock location with only 12 inches weld max, all other components must be bolted in with stock size bolts. No added metal, braces or gussets.
5. You may pitch, tilt or tip 80's and newer style cars in 3 following ways only
  - You may cold pitch, no added metal.
  - You may cut only the outside flap and pull the front end down moving the flap ½ inch and re-weld. No added metal.
  - You may pitch at the transmission cross member, since you are already allowed to weld a 5 inch piece of angle there to mount your cross member.
6. Watts-link conversion for Fords. You may convert a Watts-Link to a standard 4 link system in the following way: Use the upper and lower trailing arm brackets off an older Ford. After market brackets are allowed, but no thicker than ¼ inch and may be attached with max of 3 – 1/2" bolts

each side. No shortening of trailer arms, no positioning of brackets to strengthen the front down legs of the rear hump, must be mount in the stock location.

7. You may cut the excess frame off the front rails but you may not move the front body mount. All body mounts must remain in stock location.
8. All doors and trunk must be strapped, welded, chained, bolted, or cable wired with #9 wire. (Pick only one). All doors may have no more than a total of three feet of welded straps on each door, except driver's door. Hood may have approximately one foot of angle iron welded on each side to hold the hood closed. Bolting of hood and trunk is allowed, maximum of 6 bolts for trunk and 6 for hood, up to 1". 4 bolts 1" max are allowed to go to the frame from the hood and trunk. Trunk lids may be tucked but NO rear quarter pre-bending allowed.
9. Welding of extra metal to the driver's door and a metal window net is recommended.
10. Pre-ran cars will be allowed 20" of frame repair total on car. Repair cannot be more than the width and thickness of the rail, stitch welded only, NO reinforcement or extensions. No frame rails exposed.
11. Gas tank protector can be mounted only to your seat bar or cage. Cannot contact frame or sheet metal.
12. Front fenders may be wrapped, bolted (max of 5-3/8"), or welded for reinforcement. Fender wells may be cut or bent but not reinforced. Body lines may be pounded as long as tires are not exposed.
13. Inter-marriage of motors and transmissions is allowed, must be within 6" of stock location.
14. No altering of suspension (leafs on coil on leafs front or rear cars)
15. Clamping of leaf springs is allowed only 4 clamps per spring, OEM car leafs stock configuration only. Pre-loaded rear-ends are allowed. Axel bracing is allowed to protect pumpkin. Only 5 lug rear end allowed.
16. Front suspension can be solid. A-arms can be welded but no metal added. Two 2" x 1/4 thickness straps allowed.
17. Steering arms may be modified by using steel knuckles. Reinforced tie rod ends are allowed.
18. Hood lid can be folded over the front but not welded or bolted to the bumper or frame. Must be able to remove hood for inspection. Maximum of 12 hood bolts up to 3/8" for hood skin are allowed.
19. Body mounts may be removed. Washers inside can no larger than 4" x 4" x 1/4". Washers against the frame must be factory OEM size. Bolts of 1 inch or less allowed. No extra body mount bolts allowed..

20. Hole for distributor can only be 12" by 12" maximum.
21. May seam weld frame only 1 pass ½" wide from tranny cross member forward.
22. Sliders or telescopic drive shafts are allowed.
23. Any ply 15" or less tires allowed. No greater than 5 hole rim. May have tubes or tire in tire.
24. Halo for roll cage allowed, no gap restrictions.
25. Any bumper mount is allowed.
26. Any OEM car bumper is allowed 21" from the bottom of the bumper to the ground

#### **ADDITIONAL RULES FOR CHAIN STOCK TRUCKS**



1. Any 1974 or newer 2wd, 4wd, 1/2, 3/4, pick up, blazer, suburban, or van is allowed. 4wd need to remove a driveshaft.
2. No welding, cutting, or bending frame.
3. Bumpers must remain stock, pick up bumpers only. No Ag Bumpers.
4. Stock gas tanks must be removed. Steel tanks must be securely fastened and covered in the front center of box or rear passenger area. Gas line through box, cab, and firewall must be steel.
5. Ignition may be moved to be used with toggle switches and push button.
6. Shifters may be modified to floor
7. Tailgates must be chained in six spot, with 2 around the frame or bumper.
8. Up to 4 -1/2 inch bolts may be used to hold box and cab together. 4 extra bolts holding cab to frame must be used for driver's safety. No replacing or adding box bolts allowed.
9. Only 1 battery is allowed, securely fastened in the front passenger area.
10. Hood may be secured with up to 6 chains; only 2 can be around frame or bumper.
11. Tranny cooler may be relocated inside cab and must be covered.
12. Welded or Posi type rear-ends allowed.
13. Dash bar seat bar and windshield bar are required.
14. Door bars are optional. You may have roll loop welded to frame and attached to the cab, no farther back than 10 inches from the back of the driver's seat. No kickers.
15. Any tires are ok; split rims must be welded well.
16. Driver's window must have safety net.
17. Exhaust may be through hood, if not you must cut 12 inch by 12 inch hole for fire suppression.
18. 2 chains per door seam. Driver's door only may be welded solid and have safety brace.
19. Any engine and tranny allowed, solid motor mounts, no reinforcing frame.
20. Bumpers and wheel wells may be trimmed.

21. Suspension and drive train must be stock for model year.
22. No body or suspension lifts allowed. Any lifts must be removed prior to entering the fairgrounds.

## **ADDITIONAL RULES FOR HALF TON SUPER STOCK TRUCKS**



1. All 2 wheel drive and 4 wheel drive trucks are allowed ½ ton only, 4 wheel drives must have front drive shaft removed. Suburban, Bronco, Blazer, or ext. For any questions on other types of vehicles call Jon Christensen.
2. Tailgates must be welded shut. 2 straps 4" wide x 1/4" thick may be welded from tailgate to bumper.
3. Gas tanks must be in the box and secured to the box. Tanks must have a 6" hole in cab and box for gas line.
4. No split rims allowed. No greater than 6 lug rear ends or rims.
5. Extra bolting and bracing of the cab to the box is allowed. Both doors may be welded shut.
6. Inter-marriage of motors and transmissions is allowed within 6" of stock location.
7. Battery and transmission cooler must be mounted inside the cab and covered.
8. Homemade vented radiators are allowed in stock location with a 2" space from frame without welding, bracing, or attaching to frame.
9. Pick-ups must have bumpers on front and rear. Any OEM bumpers may be welded to the frame. Bumper height must be no higher than 28" from bottom of bumper to the ground. No extensions of frame. Front bumpers may have ¼" plate welded to the back but not between frame rails. No homemade bumpers.
10. Driver's door must have a bar and mesh on the window for protection.
11. Hood may be fastened with eight 1" max bolts, only 4 can be attached to the frame.
12. Front suspension can be solid; A-arms can be welded but no additional metal reinforcements. Reinforced tie rod ends and steering arms are allowed.
13. 8 extra bolts are allowed in the floor of the box using 4" x 4" x ¼" washers. Angle iron 3" x 3" x ¼" or 3" C-Channel no thicker than ¼" can be welded across the inside of the tailgate only. Front fenders and inner fenders can be bolted together with 5 bolts underneath fender, 3/8" max diameter.
14. Pick-ups can have a cage welded around the driver or a rollover bar above the driver for protection. Roll bar and bracing must stay behind the firewall.
15. Interior of cab must have extra bolting or welding to secure the cab to the frame.

16. Rear axle can be pre-loaded.
17. No "X" crossing to the frame allowed.
18. No rolling of truck boxes for fenders allowed on new entries.
19. Clamping of rear leaf springs is allowed. 6 clamps per leaf. Pre-loading of rear ends is allowed.
20. Body and suspension lift kits must be removed. Body and suspension lifts are NOT factory OEM.
21. Must have stock OEM number of leafs per spring. Coils must be OEM diameter and height.
22. Stock number of leaf springs only (example 7 rear).
23. Telescoping or slider drive shafts are allowed.
24. No ¾ or 1 ton frames.
25. No "C" Channel welded inside frame rails under cab or box allowed.
26. Pre-ran trucks will be allowed 20" of frame repair total on truck. Repair cannot be more than the width and thickness of the rail, stitch welding only. NO reinforcements on extensions.