

WGAS Motorsports

2018 Demolition Derby Pickup Truck Rules

- A. Any standard American made 1/2 or 3/4-ton truck, suburban, blazer, or bronco type vehicle is allowed. If you have any questions, please call first. No Commercial or Military Vehicles. (4x4 must have front drive shaft removed)
- B. We reserve the right to re-inspect trucks at any time before, during, and/or after the event, even after it has been flagged. You may be asked to cut areas of question open before, during, and/or after the derby if needed.

WE ARE PRIVILEGED TO USE THESE FACILITIES! PLEASE TAKE EXTRA CARE IN STRIPPING YOUR TRUCK!

1. PREPARATION:

- a. All glass, plastic, and pot metal must be removed. Nothing may remain in the bottom of the doors, bed, or floor board. All outside hardware must be removed (door handles, mirrors, chrome, molding, molding clips, screws, fiber glass, etc.) All fiberglass roofs or shells must be removed. All wheel weights must also be removed.
- b. No added weight to the truck except the weld.
- c. Seats must be securely mounted to the floor, and must have a working seat belt that is securely fastened ideally to the stock mounting holes due to factory reinforcement. If at any time during competition you remove your seatbelt you will be disqualified. We do not want you to get ejected from the truck. If you only want a lap belt please remove all shoulder harness hardware and shoulder portion of belt. If it is a one-piece belt please use a different seat belt instead of a knot in the belt. You will not be allowed to just shove it behind you in case of fire. All trucks MUST have inner padding on driver's door.
- d. All flammable materials inside the truck must be removed except necessary safety padding and seat.
- e. No sedagoning is allowed. Contact head official if you have any questions.
- f. Skid plates are allowed, but must be separate oil pan/transmission plates. No full-length skid plates. No bolting or welding of skid plates to the frame or body.
- g. Your number must be at least 18 inches tall and must be painted on each side of your truck,
- h. ALL TRUCKS MUST BE COMPLETE BEFORE BEING INSPECTED. ONCE INSPECTED YOU ARE NOT ALLOWED TO TAKE YOUR TRUCK BACK TO THE PITS TO WORK ON THEM. YOU WILL BE ALLOWED TO CHECK/ADD FLUIDS AND CHARGE YOUR BATTERY. IF YOU ARE SEEN WITH A WELDER OR CHANGING ANYTHING THAT COULD POSSIBLY BE AGAINST THE RULES YOUR STICK WILL BE REMOVED AND YOU MUST BE REINSPECTED AGAIN. IF THIS

OCCURS AFTER INSPECTIONS ARE COMPLETED YOU WILL NOT BE ALLOWED TO RUN.

2. Fuel Pumps:

1. Externally mounted electric fuel pumps are allowed. ON/OFF switch must be located on the dash board or dash bar so that they are easily reachable for the officials. Switches must be painted in a florescent type paint making them stand out from other switches. Safety will be determined by officials on racing fuel cells.
2. If you run an electric fuel pump you must paint a high contrasting E on preferably the rear pillar on both sides of a truck or just after your number on each number. This is to help officials easily identify a truck that has an electric fuel pump in the event of a fire or rollover so we can get it shut off.

3. Tires:

1. You may use any tire and you may tube, screw, glue, tire inside of tire, flappers, and use recaps). Only air must be used to inflate your tire.
2. You may weld valve stem protectors. You may not have whole rim protectors. Standard bead lock rims are okay but must have an outer plate no larger than 3" wide.

4. Brakes:

1. All trucks must exhibit the ability to stop before entering the arena. If a truck loses its braking ability it will be subject to disqualification.

5. Engines and Protectors

1. Lower engine cradles will be allowed. They may only be attached to the engine and one point on each side of the engine not to exceed the footprint of a factory car lower mount.
2. For trucks without a factory engine cross member you may use a factory cross member or a piece of stock not to exceed 2" x 4" x h". It must be mounted directly above the front axle and cannot be wider than the frame at this point.
3. You are allowed a distributor protector. It can be no thicker than 3/8" and no wider than the intake manifold. It must be mounted within 2" of the distributor. It may be mounted in 4 locations with mounts no longer than 12" x 1" x 1/4".
4. Two additional motor tie downs may be used. No more than one fastener on each side of the motor may be used. If straps are used, they may only be welded to 3 inches per side on the frame. That section that is welded to the frame may not be any thicker than 1/4-inch x 2" x 2" angle. These cannot go more than 4" ahead or behind the engine measured from the head.

6. Rear ends:

1. Any 8 lug or smaller rear end may be used. Must be from a passenger vehicle. No Commercial or Military parts.

FOR USE BELOW:

1. Note due to the price of metal we will use a "within reason" clause. If you push it, we will make you cut it! This does not apply to protection products.

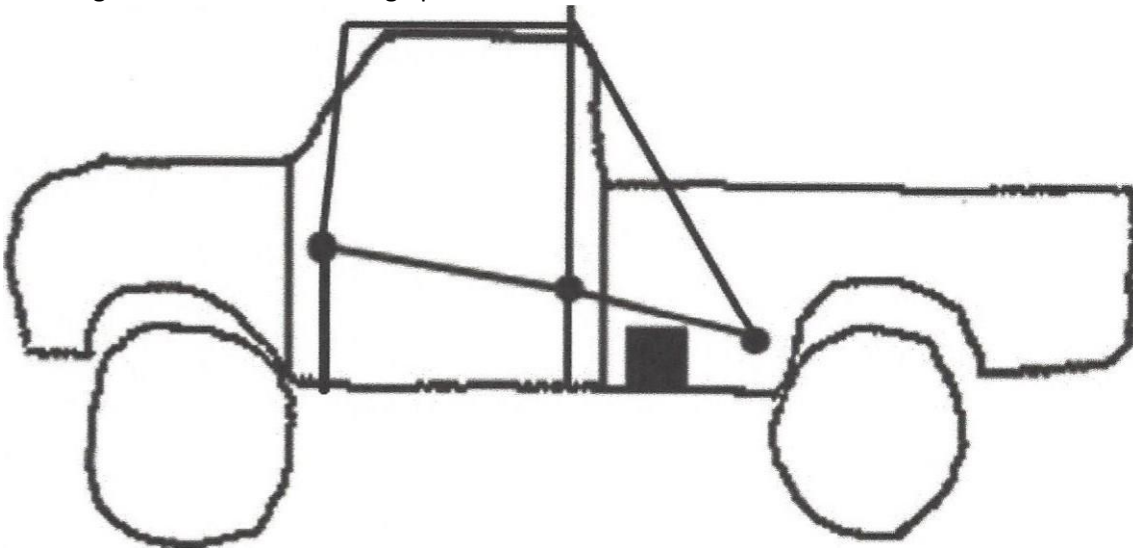
2. Only 3/8" round hot, cold or rebar, or 2" x 1/4" flat strap may be used for seam welding.

7. Doors and windows:

1. All EXTERIOR door seams must be fully welded.
2. DOOR seams ONLY may be pinched and welded were the windows come up through.
3. You may use a screen or netting over driver's side front window and driver's door only. This must be 3" away from the A-Pillar so we can mount your flag.
4. If your truck does not have a headrest you must have a net covering the area behind the seat in the back window.

8. Safety bars:

1. All interior bars must be a minimum of 2" outside diameter and a maximum of 6". End plates are MANDATORY on all bars and must be welded in place no bolting allowed. End plates can be no larger than 10" x 10". Any location where 2 pipes meet may be gusseted and must be gusseted inside the cab. You may use up to a 4" x 4" gusset.
2. Pipes cannot be fence, galvanized, exhaust style of pipe/tubing.
3. You must run bars either on the inside of the doors or inside the cab. They must be mounted within 6" of the door. You may weld a plate a Maximum of 10" wide across the driver door for protection, not to exceed 6" past the exterior door seams. This plate must be run horizontally
4. Your cage must resemble the cage pictured below. This includes the down bars.



5. All bars and posts in the proximity of the head must be padded.
6. Overall safety will be determined by the official's at time of inspection.

9. Welding:

1. No inner seam welding or alterations to strengthen the frame. You may weld the firewall to floor seam.
2. The bed must be welded to the cab on both sides and along the top rail of the bed.

10. Bumpers:

1. One of the following bumper options may be used:
 - a. Stock O.E.M. bumpers off of a passenger car or truck may be used.
 - b. A Maximum 5" by 5" O.D. SQUARE tube may be used, ends may be capped, and cannot extend more than 10" from the outside of the frame. No skinning of square tube. Small plates may be added to mount if needed. Bumper must be straight.
2. Bumpers may be cut. Chrome may be welded to the inner bumper box.
3. Additional metal only may be used internally on all bumpers. No other fill material may be used.
4. Bumpers may be flipped.
5. Bumpers may be welded to the brackets and the frame only.
6. Only one bumper bracket per frame rail is allowed and front bracket can be welded and/or bolted no more than 14 inches from the front of the frame. This applies to the rear bumper bracket as well.
7. If swapping bumper and brackets:
 - a. You may only use the factory O.E.M. mounting hardware that was on the car or truck originally or one style of car or truck bracket hardware and car or truck bumper. All other hardware must be removed. (Ex. Chrysler bracket with GM bumper on a Ford is allowed)
 - b. Shock tube will be considered the bracket if disassembled from the mounting hardware. If this is done Bumpers may be welded to the Shock tube and the frame only.
8. You may use in place of shock tubes, pipe or tubing up to 3" O.D., 3/16" max wall thickness. And must be open ended on the back side of the tube.
9. Shock tubes or pipe can be no longer than 14" including any hardware.
10. Compression bumper shock tubes may be compressed and welded.
11. Bumpers may only use weld or small 3/8" type filler for gaps to attach.
12. Bumper cannot be welded to any sheet metal.
13. No welding of any kind other than what is specified and straps is allowed on the bumper.
14. The bumpers may be no higher than 32" measured from the ground to the top of the bumper. The minimum truck height is 16" measured at the lowest point.

15. You may run straps from the bumper to the hood no larger than 3" x 1/4" These straps may not run horizontal. They may be welded 8" to the bumper and be welded 8" from the front most part of the hood.

11. Frame:

1. THERE IS NO WELDING OF OR TO THE FRAME ALLOWED OTHER THAN what is specified in the Rules.
2. If you cut the frame for pre-bending purposed, you may not weld the cut back together.
3. All body mounts (rubber biscuit and cone) and frame "Pucks" may be removed.
4. You may replace all body bolts with bolts up to 3/4" in diameter. You are allowed 6 bolts in the cab and 8 bolts in the bed. You may add any extra bolts to get to the allowed number.
5. No Buffing, grinding or packing of frames

12. Radiators & Radiator supports:

1. Only OEM style passenger car or truck radiators may be used. Aluminum racing of the same style may also be used. Radiator hose loops may also be used.
2. Radiators FIN area only may be sleeved in a light expanded metal. It may not be fastened to any part of the truck.
3. Radiators must stay close to stock position in front of the motor. (No added water capacity).
4. Engine coolants are not allowed. Water only is allowed
5. Upper Radiator supports may be welded to the hood using a 6-inch weld only or may be bolted with two bolts with 3" washers. No more than 2 bolts may go thru the upper core support. And none if you weld it.
6. Lower Radiator support body mount bushings may be removed and replaced with a max. 1" bolt diameter. Bolt may go up through the upper core support or hood to be used in #5 above.
7. Radiator support may not be welded to the frame, bumper, bumper brackets or anything else.

13. Transmissions:

1. Transmission coolers will be allowed.
2. Proper hydraulic, Metal or steel braided line must be used.
3. Condenser must be enclosed or covered.

4. A 3 bar transmission protector is allowed (with no cross plating) and may not exceed the bell housing shape by more than 2 inches and/or an Ultra Type bell may be used. May only be attached to the transmission and may not be in or come in contact with the frame rails.
5. If you run a tranny protector, Steel bell housing or Steel Tail Shaft it may only be attached to the cross member with a stock OEM rubber mount or chained down.
6. If using either a tranny protector and/or an Ultra Bell, you MUST use a 2" x 2" O.D. square tube $\frac{1}{4}$ " wall max thickness cross member. Cross member must have one $\frac{1}{2}$ " inspection hole within one foot of center on the side or bottom.
7. New transmission cross members must be within 5" of original mounts.
8. Tranny Protectors may REST on the transmission cross member no more than 5 inches in the center of the cross member, but may not be attached in any way to the cross member.
9. Slider drivelines are allowed and a driveline brake is permitted.
10. Overall safety will be determined by the official's at time of inspection.

13. Wedging:

1. Full bed wedging is not allowed. You may wedge the bed from the back of the inner fender wells to the end of the bed.
2. You may lay the tailgate flat on the wedge and weld 3 sides.

14. Gas Tanks:

1. Original gas tanks must be completely removed from the truck. You will not be allowed to leave it in even if it is drilled, cut, etc.
2. You must have your gas tank securely mounted at the front of the bed with a minimum of four fasteners and covered unless a fuel cell or metal tank. Seat belts or "pull" type straps may not be used for anything besides the cover.
3. A maximum size of 6 gallons can be used.
4. A marine type tank or fuel cell must be used. NO plastic gas tanks will be allowed.
5. Fuel lines must run inside truck. Original gas line inside frame cannot be used. You may run this line through a secured pipe where it runs between the bed and the cab.
6. Overall safety will be determined by official at time of inspection.

15. Battery:

1. It must be securely mounted inside the truck in a box and covered unless a gel cell.
2. Battery Box cannot be made out of plastic; Seat belts or "pull" type straps may not be used except for the cover.
3. Battery Box cannot be bolted thru or around the frame.
4. Overall safety will be determined by official at time of inspection.

16. Air Cleaners:

1. You must have an air cleaner over the carburetor at all times during the event.
2. No starting fluid will be allowed.
3. Overall safety will be determined by official at time of inspection.

17. Cut outs:

1. You may cut and roll the fender for tire clearance. You may use up to three 3/8" bolts. You may be asked to cut an inspection hole.
2. You must have a minimum 30" x 30" hole cut in the hood for inspections and fire protection. You may bolt around the opening within 3" of the opening every 12" with 3/8" bolts.

18. Trailer Hitches:

1. Trailer hitches and framework aftermarket or not must be removed.

19. Suspension:

1. You may run up to 12 leaf springs in the rear and 10 leaf springs in the front. Exceptions will be made to a factory leaf pack.
2. You are allowed 4 clamps per leaf pack. You can have 2 in front of the axle and 2 behind the axle.
3. You may not pull the shocks and put pipes in their place. No solid suspension.

20. Rules for Previously Run Trucks

1. You may restub your truck frame. You are allowed up to (8) 6" x 8" x 1/4" plates. If you restub this counts as 2 of your plates. There must be an obvious sign of frame damage or you will be asked to remove the patch. You may not cut the plates and use the excess elsewhere.
2. You may cover any holes for safety using like size material no more than 2" past the hole. If you have other pre-run questions, call first before you fix it!