

Parkside Demolition Derby Truck Rules

½ TON TRUCKS ONLY!!

No ¾ tons -- No 1 tons -- No Diesels – No 4x4s

MANDATORY STRIPPING OF TRUCKS

The driver's side of the truck must have a MINIMUM lap safety belt but preferably one lap belt and one shoulder belt, all glass must be removed, no broken glass inside doors, all body trim, hub caps, exterior ornaments and lights must be removed, all interior upholstery (all flammable materials), including plastic wheel wells under the hood, door panels, carpets and trims must be removed. Trailer hitches must be removed; this includes all mounting Brackets, Dash must be removed. 8. Any seat may be used but must be securely mounted. All airbags must be removed.

BODY:

1. Body mount bushings may be replaced or removed. Any body bolts that are replaced can be done so with up to max ¾" bolt. 3" washers can be added to the bolts.
2. Wheel wells may be cut out to allow clearance for bending.
3. Firewall may be cut out for distributor clearance. Large holes need to be covered with a fire-retardant material or same gauge metal. (CARPET WILL NOT BE TOLERATED)
4. Any creasing of the body panels is allowed.
5. 8bolts max per wheel well may be used to fasten inner and outer sheet metal. Maximum size 3/8" bolt scan be used.
6. Rotten floors may be replaced and tack welded with the same gauge material but not in a reinforcing nature.
7. Vertical front window bars are allowed. Window bars must be bolted.
8. No cement reinforcement allowed anywhere on the vehicle.
9. Driver's door MUST be white. The rest of the truck must be a contrasting color. No all white Vehicles
10. NOTE: Numbers must be in contrasting colors and must be on BOTH the drivers and passenger

Doors and Cage:

1. Doors must be either chained, bolted or welded.

Welding: You may use ½" max round bar or 2" x 3/16 flat bar to fill the gap. 6" weld, 6" gap, repeat.

Bolting: Maximum 1 ¼" bolts.

Chaining: Maximum ¾" chain.

EXTERIOR DOORBARS ARE MANDATORY!

1. The door bars may be MINIMUM 2"x6", or MAX 2"x12". Front edge of door bar must overlap door seam by minimum 6" but no more than 8, Rear edge of Door bar must bolt to box side as well as cab, they must not extend more than 12" onto the box side, large backing plates are recommended for inside of box to mount door bar (if door bars come off... you will be disqualified). It is mandatory that the corners of the door bars be beveled to eliminate the sharp corners. Door bars must bolt through the entire door/post, not just the inner door skin, no hardened steel or grader blades can be used, Bars must be bolted to the fender, door and box.

2. We recognize that space is limited inside a truck cab, a cage may be constructed if the builder chooses to do so, it must be of solid construction and must not attach to the frame. If a cage appears to be unsafe in the eyes of the judges, you will not run.

3. Dash bars are mandatory for driver safety. 4x4 square tube is recommended.

Hood & BOX/End Gate

1. HOODS: Must be secured in any combination of one or all 3 of the following. Chained, bolted, or welded.

A. Chained: 6 places only, options: rad support, fender, or wheel well. Using 1 wrap of chain, ¾" max.

B. Bolted: 6 places only max. 1 ¼" options: rad support, fender, or wheel well. You may use (2) maximum threaded rods through the frame to support the hood. Max washer size 6"x6".

C. Welding: (between hood and fender only) You may use ½" max round bar or 2" x 3/16 flat bar to fill the gap. 6" weld, 6" gap, repeat. No fully welded hoods. You may use two pieces of 2"x2"x6" long angle iron welded to the body and hood then bolted together with 2 bolts. Maximum bolt size is 3/8". Angle iron May not be welded across the seam. Maximum of 6 places.

D. You must have a hole to extinguish fires. If head tech deems the hole is not big enough, you will be subject to cutting a proper size hole for extinguishing fires. THIS IS VERY IMPORTANT!

E. Maximum (16)-¾ bolts to be fasten the area around the hood cutouts to hold together.

F. Hood tucking is allowed.

Box and End gate,

1. End gate: Must be welded, chains and or bolts are unacceptable. You may use ½" max round bar or 2" x 3/16 flat bar to fill the gap. 6" weld, 6" gap, repeat. Gates may be fully welded. Should your tail gait come off, you will likely be disqualified, keep this in mind when you decide its "good enough" Wedge bending box sides is allowed
2. Truck boxes must be bolted down though the frame with max 8x8" plates on the top side, you will not be allowed to run stock box mounts, if the box pulls off the frame, your flag will be broken, you will be disqualified. (This rule is strictly for safety reasons. Truck boxes have a tendency to detach from the frame if not properly reinforced. We don't want to see anyone put in unnecessary danger.)

Engines:

1. ALL SWITCHES MUST BE CLEARLY LABELED. NO LEFT TO RIGHT SWITCHES. ALL MUST BE UP AND DOWN. (This is for safety reasons, to make it easy to shutdown in emergency situations)
2. Engine swapping is allowed. Gas only. (For safety reasons and due to the uncontrollable nature of a diesel engine they will not be allowed) Engines must be mounted within 4" of the original mounts. Any mounting of the engine will be allowed provided it does not reinforce the car in any way. You may chain the engine.
3. Headers or exhaust manifolds are mandatory. If exhaust must either exit below, it must exit under the cab behind the driver,.
4. Engine guards or full engine cradles are not allowed.
5. Distributor protectors, and pulley protectors are not allowed.
6. Lower engine cradles will be permitted but must not attach to the frame. Must only be attached to the crossmember or saddle.
7. Engine must have an air cleaner.
8. No skid plates allowed.
9. No starting fluid allowed

Transmission:

1. You may use any type of mount. If not using a factory cross member you may use maximum 2"x2" square tubing.
2. You may use any type of transmission cooler but must be securely fastened inside the passenger compartment.
3. Transmission lines must be metal or braided. No fuel or low-pressure hose allowed. Must be double clamped when tying together metal and transmission hose. All lines in the cab must be covered.
4. You may run a fan, coolers with ice will not be permitted due to small space and splashing
5. Tranny coolers must be fully covered and secure.
6. Slip yolks (sliders) are allowed.
7. Transmission protectors will not be permitted.
8. Any foot/brake pedal is allowed.
9. Any type of shifter may be used but must not strengthen the vehicle in any way

Radiator & Core Support:

1. No Custom radiators. Aluminum radiators are allowed.
2. Radiator must remain in stock position.
3. Any rad hoses looped must have a pressure relief system in place.
4. Antifreeze must be drained and replaced with water.
5. No supplemental cooling devices are allowed.
6. Top radiator support may be removed and either bungeed or ratchet strapped.
7. Any cooling fan is allowed.

Gas Tank:

1. ENSURE YOU HAVE NO FUEL LEAKS. IF AT ANYTIME, YOU HAVE FUEL LEAKING ANYWHERE, YOU WILL BE DISQUALIFIED UNTIL PROPER REPAIRS CAN BE MADE!
2. Stock fuel tank must be removed.
3. Fuel tank must be securely mounted directly behind the driver seat (extended cab), in the passenger side seat/floor area (single cab), or in the center of the truck box as close to the cab as possible. Make sure all fuel lines are covered with material that cannot be easily cut, especially when running fuel lines into the box through the cab.
4. Any fuel tanks may be used and must be secured.
5. Plastic tanks WILL BE PERMITTED. BUT MUST BE INSIDE A STEEL BOX/COVERING (This is for safety reasons to contain the fuel and prevent splashing/spraying in the event of a rupture/tank failure)
6. Fuel cells are allowed. 5-7 gallons max. (Bigger tanks with only 5-7gal of fuel will not be allowed)
7. Tank mounting MUST NOT reinforce the vehicle in any way.
8. Fuel lines must be protected, running fuel lines inside larger hoses is recommended
9. Electric fuel pumps may be used but must be automotive.
10. Electric fuel pumps must have a clearly marked shut off switch.
11. Fuel lines must be double clamped at both ends. (If using rubber line)

Tires & Brakes:

1. You may run any type of air-filled tire. Maximum 16" rim. Maximum 14 ply.
2. Maximum 8" welded wheel centers are permitted to allow for different bolt patterns. No fully weld in centers.
3. Narrowed rims are allowed.
4. No split rims, no studded tires, solid, foam or water filled tires allowed.
5. Flapper tires are allowed. Double tires will also be allowed.
6. All wheel weights must be removed.
7. Valve stem protectors are allowed.
8. Bead protectors are not allowed.

9. If using floor mounted pedals, they must not strengthen the car at all, or it will be cut.
10. Any type of braking system or configuration is allowed. Brakes must be in working condition before the start of any heat. THIS WILL BE CHECKED. If you are unable to get brakes working before a heat, YOU WILL NOT RUN.

Batteries:

1. You may run a maximum of two 12V batteries.
2. Batteries must be securely fastened in the front passenger floor area.
3. ALL batteries must be covered.
4. Must be in a secure battery box.
5. Mounting of the batteries or box must not reinforce the body or be attached to the frame in any way.

Front Suspension & Steering:

1. Any steering column is accepted.
2. All steering from steering box to wheels must remain stock.
3. Steering rag joint may be replaced with u-joints.
4. No coil spring spacers, or boosters.
5. You MAY NOT weld upper A arms to the frame
6. 2-wheel drive suspension and steering only

Rear Differential:

1. Differential swaps are allowed.
2. Must use stock mounting brackets.
3. No added bracing to differentials will be allowed.
4. Only 5 bolt axles' will be allowed
5. No floating Axles allowed
7. Differential gears may be welded, as well as mini spool or full spool may be installed

Rear Suspension:

1. Must stay stock, leaf type. Coils stay coils. Leafs stay leafs.
2. Shocks must remain stock and mounted in stock position.
3. You may clamp your leaf springs, maximum 4 clamps per side (8 total). $\frac{3}{8}$ max thickness, 2 $\frac{1}{2}$ max width. No welding of spring packs.
8. 10 leaf max. Leaf springs must have a 2" stagger, $\frac{3}{8}$ " max thickness, 2 $\frac{1}{2}$ " max width.
9. No Flat Stacks
10. Chaining the rear end around the frame of your vehicle is allowed with 1 wrap per axle with $\frac{3}{8}$ chain, 2 chain's max.

Bumpers:

1. To help prevent hook-ups, bumpers can be cut but leaving no sharp edges.
2. Front and rear bumpers may be secured by using one wrap of $\frac{3}{8}$ " chain, two places per bumper max, with four places total.
3. Straps 3" wide x $\frac{3}{16}$ thick straps from bumper to hood or core support. Two straps per bumper.
4. Bumper swaps are allowed between any make or model.
5. No Car bumpers, No inverted bumpers
6. Hard nosing is allowed. 1 piece of 2" x 2" x 4" long angle iron on the outside of the frame may be used.
7. 22-inch max on the front and rear bumper height measured from ground to the bottom of the bumper.
8. Front bumpers must remain on the front.
9. Front bumpers on the rear are not permitted.
10. Bumperettes MUST be removed, no grill guards or push bumpers. No aftermarket bumpers

Frame:

1. NO SEAM WELDING ALLOWED
2. You may notch, dimple or cold bend your frame.
3. Absolutely NO welding, plating/pinning humps, stuffing the frame, checker plating allowed. Techs will check for loaded and modified frames.
4. 2-wheel drive chassis only.

FRAMEREPAIRS:

May repair the frame only as followed: (Must be painted orange)

You may repair rusted frames on your car with MAX ½ inch plating. You may go 1-inch past frame damage. A hole must be drilled in the middle of the plate to easily determine thickness. --

The same gauge metal is recommended. No full wraps.

You must send photo evidence of RUST REPAIR needed to head tech which will have to be pre-approved BEFORE work is done.

Pre Rans:

May repair the frame in 8 places only as followed: (Must be painted yellow)

You must send photo evidence of FRAME DAMAGE, and you must send photo evidence of FRAME REPAIR to head tech prior to repair which you must have pre-approval for.

In Front of the Firewall- Four Total 4"x 6" x 1/4 plates. On the outer frame on either the driver's side or passenger side frames a hole must be drilled in the middle of the plate to determine thickness.

Rear Wheel Hump Back- Four Total 4"x 6" x 1/4 plates. On the outer frame on either the driver's side or passenger side frames a hole must be drilled in the middle of the plate to determine thickness

IMPORTANT NOTICE

DO NOT show up with any Vehicles that have "Suprise" frame repair. The judges must be aware of the repairs before you load it on your trailer to bring to our show. Tech must have pictures, and you must have obtained approval PRIOR TO INSPECTION.

Thank you, and have a good build!!