

2022 Demolition Derby

GENERAL RULES FOR ALL CLASSES

PLEASE READ RULES WELL!

Changes in compact weld this year.

For questions call:

General and Compact Weld: Kyle (320) 444-3607

Chain Stock : Reed Stein (320) 808-0190

- Drivers must be at least 16 years of age and have a driver's license. The exception to this is Chain stock Class where 15 year old's can run. Driver's and Pit people ages 15, 16 and 17 must be pre-register and send a notarized release form.
- anyone running under the age of 18 must have a notarized release form from legal gaurdian.
- **Entries will be accepted up to ONE hour prior to race time. You must be in the inspection line no later than ONE hour prior to race time. Late entries will be accepted up to 30 mins prior to race time, with a possible penalty. Entries later than 30 mins to race time won't be accepted. No exceptions. track discretion.**
- Everyone entering the event area is required to sign their own name on the entrance waiver before entering the pits. This will be up to individual Track Discretion.
- Drivers must wear seat belt and full-face helmet along with eye protection at all times while operating vehicle.
- Drivers and pit crew must attend the pit meeting 15 mins before race time.
- No driver or pit crew thought to be under the influence of alcohol or drugs will be allowed to participate, enter or remain in exhibition area. No alcohol in pit area before or during event! Violation will result in disqualification and forfeiture of entry fees.
- No hot rodding in the pits. Keep it at an idle.
- Fire extinguisher required in pits.
- Drivers will have 1 minute to make a legal, metal-bending hit.
- If your car dies you will be given 1 minute to restart car and make a hit.
- Any open door or fire will cause disqualification for that heat.
- **Any vehicle thought to be unsafe will be disqualified for that heat.**
- No Sedagons, El Caminos, convertibles, hearses, limos, etc. No re-stubbing frames.
- **Sandbagging and team-driving are not tolerated, and will be strictly enforced. This is your warning.**
- **No intentional hitting of drivers door, or you're disqualified. Don't use your door as a shield. Officials will decide if it's accidental or carelessness. If disqualified in a heat, you may not compete in consolation heat/feature.**

- Any questions or controversies will be discussed at the pit meeting.
- Only the driver may speak with any questions or controversies (no pit crew).
- All official's decisions are final.
- ALL CLASSES MAY RUN HEATS DEPENDING ON TURNOUT, COME PREPARED.
- 12" hole in the hood and 6" hole in trunk for inspection and fire department.
- **Yelling at, use of profanity toward or interrupting an official will result in you being escorted from the event area. This includes your pit crew. Your entry fees/winnings will be forfeited and it will be the officials call if you're allowed to compete next year.**

GENERAL DEMO UNIT PREPARATION FOR ALL CLASSES

This is what you are allowed to do to your car. All rules are at official's discretion. Because we offer such a variety of classes, some general rules are overlapped in the class-specific rules. To make the rules as simple as possible: 1.) Class-specific rules trump the general rules. 2.) If it's not addressed in your class-specific rules, the general rules are to be followed. 3.) If it isn't addressed anywhere in the rules, assume that you can't do it. Any questions, please call first.

BODY, FRAME, WHEELS

1. No welding anywhere other than allowed in the rules.
2. No added weight to the vehicle. No plating, pinning, buffing, grinding, or packing any part of the car.
3. **No painting, undercoating, added grease/oil on frame or interior of vehicle. You will not even be inspected.**
4. See your specific class for allowances for frame or body alteration or reinforcement of any kind, other than allowed in the rules.
5. All outside hardware (door handles, chrome, moldings, mirrors, etc.) must be removed. All glass must be removed completely, none in bottom of doors.
6. You must have at least a 15"X 15" roof sign with your number on it, and on both doors. Roof sign cannot be attached or straddle roof hoop. Must be either in front of or behind not both. One sign only except 2 man extreme class.
7. All trailer hitches and braces must be removed. this includes all gooseneck parts.
8. Wheel centers allowed No split rims! No screws through the rim.
9. Wheel weights must be removed so they don't fly off.

10. No studded tires. Valve stem protectors allowed.
11. You may tuck/prebend/notch the rear of your car. Must remain safe!
12. No added bolts, screws, or body mounts, other than allowed in rules.
13. Body mounts may be removed, and replaced with no larger than 3/4" dia. 6" long with 6" max washers. 3/4" space must be between body and frame. NO more than 6" washers are allowed.
14. Interior body seams and window openings may be welded in all classes except chain stock/compacts and trucks. No added metal.
15. Body panel shaping is NOT allowed unless noted in your specific class rules.
16. Body and frame rust patching is allowed (take pictures before repairs) at official's discretion. You must leave the rusted panel intact, so it can be seen with a scope. The repair panel must be no thicker than the panel being repaired. Leave a spot unwelded to show thickness. May go 2" past the damage. **Don't abuse this rule, or you'll cut!** Call with questions.
17. Frame patching is allowed only on bent cars that **NEED** it (official's discretion). NO more than 8 patches total. (A total of 8 pieces of steel used for entire car). No bigger than 4"x4" or 3"x 5"x 1/8". **Must be able to prove bend!** Leave a spot un-welded to prove thickness. frame restubbing is allowed on prerans only. must be from same frame same year. **No added metal!**
18. Drivers door may be welded solid. May be reinforced but no further than 6" beyond the door seams.
19. All other doors must be secured shut in the way allowed per class.
20. You may bolt inner and outer fenders together. Max of 5 bolts per fender.
21. You may add up to 16 bolts to the hood. Max of 3/8" bolts with 1" washers.
22. Must have holes in hood for fires.
23. Must be able to see inside of trunk.
24. Must be able to open hood for inspection.

WINDOWS

1. Windshield MUST have two straps, bars, or 3/8" chains from the roof to the cowl to protect driver. Straps/bars 3" wide max by 3/8" thick. Can only lap over cowl and roof 3". **any material deemed to strenghten car may be forced to remove**
2. Window grate allowed on driver side.
3. Cars with no posts may weld a 4" wide, 1/4" thick strap from roof to door.
4. One rear window bar is allowed in all classes. Max of one 3"x 3/8" flat or C-channel or 2x2 tubing or 2" pipe. 6"x6" max endplates, Must be vertical, no more than 4" onto trunk lid it must be in the window opening and must be at least 12" from any cage component (**halo, gas tank protector**). Not allowed on hatchbacks or wagons.

POWERTRAIN

1. Any powertrain may be used in any car, but the motor MUST be within 2" of the original motor. NO SETTING BACK OR RELOCATING MOTOR!!
2. bop trans addaptor plates are allowed **must be reasonable size!!!!!!!!!!!! official discretion**
3. Home-made driveshaft allowed.
4. Motor mounts may be chained or welded, but must not reinforce frame in any way. **Motor mounts must be a reasonable size and mount to engine cross-member only!!** one mount per side and one 4" wide plate to frame centered above stock motor mount holes.
5. You may use headers and floor shifters.
6. Differentials may be welded for posi.
7. Must have at least 2 working brakes.
8. You must have an air cleaner on at all times.
9. Radiator and fan may be removed, but not relocated to another part of the car. May use electric fans. No adding to the cooling system in any way. No home-made radiators or radi-barrels except where allowed in class-specific rules.

SUSPENSION

1. Suspensions must be completely original, other than allowed in the class rules.
2. No coil-over shocks, no altering shocks in any way.
3. Max of 4 leaf spring clamps total per side (including factory clamps). 4"x4", 1/4" thick max.
4. You may chain rear-end humps with one loop of 3/8" max chain per side.
5. Coil springs may be chained or wired in place.

INSIDE OF CAR

1. Driver's seat must be securely mounted to the floor. If you're using bolts, they may not go through the frame.
2. May use home-made steering columns.
3. Transmission coolers allowed up to a reasonable size. If not left in stock location, they must be secured safely inside a container in the passenger compartment of the car. Must use transmission cooler hose or hydraulic hose (no fuel or low-pressure hose).
4. All flammable materials, except what's needed for driver's safety, must be removed.
5. Batteries must be relocated to pass floor. They must be mounted and covered securely. Max of two batteries. Battery box must be reasonable size inspector may make you cut it! The battery box and trans cooler must be attached to the floor or cage **not both!**
6. Holes in the firewall must be covered well.

7. Spreader bars must be no larger than 5 inch diameter 1 dash, 1 behind the driver's seat. Dash bar must be at least 8" away from engine and transmission. May connect the two, to form a 4-point cage, may run 4 down bars-they cannot be to or attached to frame. Down bars must be within front inner door seams. Cage material must be at least 3" off of the transmission tunnel. Door bars may be no closer than 6" to the rear wheel well.
8. Halo bars allowed and recommended. May not be angled backward, no kickers allowed, and attached to the spreader bars only. **MUST NOT ATTACH TO FRAME!**
9. Gas tank protectors allowed must be welded to the back of the spreader bar only, 6" max. pipe/tubing must be **free-floating** 3" min. from floor and 1" from back seat metal, 24"x 24" x 6" max dimensions.
10. If mounting on the floor may not contact the cage in any way. **MUST CHOOSE 1!**

FUEL SYSTEM:

1. Fuel tank must be located in the back seat area.
- 2. Must be very securely mounted and covered.**
3. No plastic fuel tanks allowed. Boat tanks or well-made fuel cells only. No relocating original tanks to inside of car. No fuel tanks larger than 14 gal.
4. Original fuel tanks must be removed.
5. Fuel lines must run inside of car, not under or along frame.
6. Fuel lines must be secure, and kept away from sharp/hot areas.
7. High-pressure fuel-injected cars must use adequate fuel line for the pressure.
- 8. Electric fuel-pump vehicles must have an emergency shut-off that is easy to locate in case of fire. Use fluorescent tape or paint.**

CLASS-SPECIFIC RULES:

FWD Compact Bone Stock/ Youth

This is a "BONE STOCK" Class. This build should take no more than 2 days. If it doesn't say you can do it, you can't. Call Kyle Bahl with any questions (320-444-3607)

#1. Any compact/midsize CAR 113" or less wheelbase is allowed (V6 Max) No motor/trans swaps. Remove all flammable material and glass. (PT Cruisers, HHR, Crossovers.... are not cars)

#2. Cage - A 4 point floating cage is allowed 6" max material. Front of cage to back of cage/halo bar may be no longer than 60" excluding the (24"x24"x6") fuel cell protector. A safe metal gas tank must be mounted in

the back seat area to the floor or to the cage (not both). A halo bar from back seat bar/door bar to roof is advised but not required. All cage material must be a minimum of 8" off the floor and 3" from all rear sheet metal. Battery must be relocated to passenger floor area.

#3. Doors - may be chained, or wired shut in 3 locations per vertical seam (Choose One). Driver's door may be welded shut and have a 6" tall plate on the outside 6" past the door seams, or a door sized plate on the inside of the door (Choose One).

#4 . Trunk- may be chained or #9 wired shut in 4 places.

#5. Hood- You are allowed 4 points to tie your hood shut. Two ¾" bolts from the core support to/through/directly next to the body mount location are allowed. The other 2 points must be tin to tin only. These 2 may be bolted with angle iron (fender to hood 2"X2"X6"max) or a single loop of chain/#9 wire per side.

may be bolted, or chained shut in 4 locations. If bolted must be sheet metal to sheet metal only 6" overall length or 6" of angle 2"X2"X6" angle iron. The front 2 core support bolts may go through the body mount hole or to the side of the frame at the body mount location only. ¾" bolts with 6" washers max.

#6. Bumper – A factory contour car bumper may be welded on the front of the car (loaded/seam welded is fine). If you don't want to run a car bumper you may run a 4"X4"X1/4" max tube (Ends must be open, no point) No wider than the car. May be welded to the factory bumper bracket the car came with, or may be hardnosed to 1" in front of the core support. If you choose to hardnose you are allowed 4" of plate or tube (measured from back of bumper) to mount your bumper. Rear bumper must be the factory bumper and must be mounted in the factory manner. You may have 1 loop of chain or #9 wire to the core support/trunk lid per side.

#7. Wheels/Tires- Any tire/rim allowed (fork lift, skid steer, tractor etc.) No sidewall protectors, bead locks, or split rims.

#8. Suspension – must be stock for the car you are running. Must bounce, no clamps or welding of any kind.

#9. Aftermarket parts- Steering column, shifter, headers, gas/brake pedals are all fine.

80's Chain Stock- Must be 1978 or newer GM vehicles and 1981 or newer Ford or Chrysler vehicles. '98-'02 Fords may change rear suspension for watts conversion bottom brackets may be 4" x 4" welded to frame. top plates must be bolted to trunk pan with 4 ½' bolts 6"x 6" plates . Leave VIN tag intact, to verify year. No 03 or newer ford products.

1. ALL GENERAL RULES APPLY, WITH THESE EXCEPTIONS.

2. THIS IS THE "PURE STOCK CLASS"

3. No old iron parts of any sort allowed.

4. No sedagons.

5. **No tilting/tipping/pitching/pre-bending front frames. Body must have no added space between core supports or crush box to frame. If the factory geometry is altered, it stays on the trailer. Pre-rans are at official's discretion. Call first.**

6. You may chain or (**wire 6 loops**) your doors, trunk, and hood shut. **NO WELD.**

you may bolt your trunk shut with 6 3/8 bolts going to sheet metal only if you do this you can not use chain also.

7. Max of 4 chains per door, 4 chains for hood, and 6 chains for trunk.

8. May run 2 hood pins at core support 1 inch max

9. No trunk pins allowed.

10. **Bumpers may be welded straight to the frame or you may run stock bumper shock to the car but may not move the shock back in any way. the farthest back bumper shock bolt must remain in stock position. may shorten up to the front body mount. do not cut the front mount at all!**

11. any factory car bumper may be ran and you can load and seamweld bumpers.

You may run a 4x4 square tube but you are not allowed a point of any kind!

12. Front suspension may be bolted with 1-3/8" bolt per side or 1 piece 2" x 3" – 1/8 inch thick steel per side.

13. Engine cradles allowed no "extreme" setups. Can't reinforce the car! No DPs, tranny protectors, or any other protectors or reinforcement of any kind Call with questions.

Carb protectors must be at least 3" from firewall.

14. **full floater rear ends are allowed**, Bracing is allowed but must not strengthen the car. Trailing arms must remain stock you may shorten them but can only overlap 2 inches.

15. Body mounts can be replaced with 3/4" bolts or smaller. Washers can be no larger than 6"x ¼" thick and cannot be welded in place! Must have at least a 1" spacer no more than 3" in diameter max between frame and body.

16. No hard body lines allowed. May tuck trunk. **May dish trunk 2" we will measure!!!** Sides may be knocked in but not Excessive (if you have questions ask)!

17. pulley protectors are allowed if the swaybar is cut out.

18. No hump plates

2 Person extreme 80's and newer – Track Specific!!

2 drivers will be in the car. 1 in the driver's seat and 1 in the passenger seat. The driver will have the steering column and passenger will run the brake and gas pedal. The shifter can be ran by either driver. No pedals on driver side allowed. The passenger must have a steering wheel or a Tee-bar to hold on to. Paint both front doors contrasting color. No hitting either front door.

1. ALL GENERAL RULES APPLY, WITH THESE EXCEPTIONS.

2. THIS IS THE "PURE STOCK CLASS"

3. No old iron parts of any sort allowed.

4. No engine cradles, tranny braces, braced rear-ends. No tranny coolers! **Stock rear-ends and suspension only!**

5. 4 point floating cage with fuel tank protector. Battery and fuel tank must be secured behind front seat on floor safely.

6. Can weld and reinforce front doors. 2 strands of 3/8 chain or #9 wire for windshield straps for drivers protection.

7. Hood can be chained in 4 places. Doors 2 per vertical seam. No hood pins or angle iron.

8. Steering must be totally stock (do nothing)!

9. Bumpers can be welded to shocks; brackets must be bolted to frame. Any question call. **80's bumpers only**

10. Body mounts must remain stock if broke or rusted can replace with two strands of #9 wire.

11. Front suspension may be bolted with 1 3/8" bolt per side or 1 piece 2"x 3", no more than 1/8" thick steel per side.

12. **slider driveshafts are allowed!!**

Front Wheel drive Mini Vans only

- No welding struts, tie rods, motor mounts, etc. unless using your allowed plates on these items. Rules are simple, follow them. If it says you can't do it, pretty much you can't do it.

➤ General Rules-

-No full-size vans or SUV's, Front Wheel Drive only.

- No welding unless rules say.
- You may have a floating 4-point cage with halo, you may have a floating gas tank protector that follows the tank. Gas tank protector cannot go past rear axle. All body mounts must be factory unless rusted out. If rusted out, change with same size bolt and leave stock pucks in.
- Wire, weld or chaining of the doors, trunk lid, and hood is allowed. Max of (2) per seam allowed, (4) are allowed in the hood. 2 threaded rods may be welded to the top of frame.
- Fuel cell may be mounted on the back-seat bar and 2" away from back seat area. Aftermarket gas pedal, brake pedal, shifter, and headers are allowed. You may put a car bumper on, 6" from bumper backing you may use a bracket to weld it on, anything past 6" will be cut off! You can also put a 6"x4" piece of tubing on instead of car bumper. loaded bumpers, seam welded is fine!!
- Any tire is allowed.
- All plastic, lights, and glass must be removed.
- Pre-ran car fix it plates (2) 5x5 1/4" plates. these can be used to weld bumper back on if you need to. Plates cannot be split up, must stay 5x5". If those 2 plates aren't enough, build a new car.
- Drivers door can be welded shut fully, or a door plate may be used.
- Any engine or transmission may be used but it must be bolted in with factory mounts. Absolutely no welding to swap them! You can carb convert an EFI engine in this class.

Rule Questions? Contact kyle 320-444-3607

Weld Compact- May be up to 111" for FWD cars, 107" for RWD cars. 6 cylinder and less only. Leave VIN tag intact, to verify wheelbase.

1. ALL GENERAL RULES APPLY, WITH THESE EXCEPTIONS.
2. All parts must be of compact origin, except bumpers and rims.
3. Full-size bumpers allowed, may be seam welded and stuffed. Must be trimmed to width of car.
4. If you don't use or have the factory bumper shock, you may use a 2"x 2"x8" maximum square or round pipe. Call with questions.
5. You may wire windows in 1 place per window opening. Must remain within that window. Wire may go from a window to the frame in no more than 4 places. Washers may be welded in place to support the wire, 2" max. Welded to sheet metal only, not to the frame.

6. Maximum of 5 leaves per side. Must be factory thickness and have factory step-down. No leaf conversions.
7. Compact differentials only.
8. Aftermarket engine cradles allowed no "extreme" setups. Call with questions.
9. Distributor protectors, carb protectors, trans brace, valve cover protectors, fuel pump protectors, etc. are allowed, but cannot strengthen car or come into contact with any cage component at any time before/during/after the event. Call with questions.
10. Tie rod ends may be reinforced, but must start with originals (not home-made). A-arms may be bolted or welded with two 2" straps. Do not weld struts to the frame in any way.
11. Only seam welding allowed is top uni-bodyseam center of the A-arm forward. No interior seem welding.
12. K-frames may be welded to uni-body no added material. Do not seem weld the K frame!
13. Door and trunk seams may be chained, wired, or welded shut, 5" maximum weld, 5" min. gaps. 5- 3/8" bolts are allowed in the drip rail.
14. Hood may be chained, wired, or bolted shut (pick only one). Max of six 1" hood pins with 6" maximum washers. Only two may go to frame. They may be welded in place.
15. Trunk may use up to four 3/4" ready rod with 4" max washers that may go to frame. They may be welded in place. May also be welded shut also, 5" on, 5" off.
16. Back window bar is allowed 2"X2" max. 6"X6" attachment plates may be bolted or welded to roof (flush with window opening) and centered on trunk/speaker deck seam. Call with questions.

Half Tons Stock Trucks

General Rules

1/2 Ton Truck/vans ONLY

2WD and 4WD trucks and Suburbans are allowed. 4WD vehicles must remove the front drive shaft. All frames must be pickup truck frames!

Standard cab and standard box allowed, no altering, no exceptions! All cabs must match the frame (Year & Make) they are going on.

No body alterations allowed.

Remove all glass, chrome, plastic, moldings, headliner, flammable material, A/C coolant, antifreeze, trailer hitches and interior decorating.

Stock gas tank must be removed. A small metal tank must be mounted in the rear seat area. The tank

must be very secure and covered. Use proper rated fuel lines.

Plastic tanks must be in a metal box, no exceptions!!

Electric fuel pumps are allowed but switch must be clearly marked on/off.

Floor shifters are allowed. Ignition and wiring modifications (hotwire) are allowed.
Hood must have 12" x 12" minimum hole to easily extinguish fires. Extra hole(s) in hood are not required if header holes are least 12" x 12".

Frame-No seam welding.

Bumpers

You may run up to 6" max straight tube for a bumper. Any (loaded/seam welded) automotive bumper may be used cuz murica.

Hood-(6) locations of bolts, chains or 9 wire will be allowed, 1" max. (2) may go to frame at core support mount. The other (4) locations must be sheet metal to sheet metal 8" long max.

Steering-No welding or bracing tie rods, must be a stock tie rod from a 1/2 ton truck. Aftermarket steering columns are allowed.

Engine-Motors may interchange 6"X6" mounting pads for motor mounts. Zero cross member plating will be allowed. A lower cradle is allowed with stock style rubber lower motor mount.

Transmission-No transmission braces whatsoever.

Aftermarket Bell housing will be allowed but may not be used to strengthen the truck. (trans are expensive, bells break)

You may have a transmission cooler but cannot strengthen truck in any way and must be secured.

Any driveshaft allowed, including sliders.

Radiators Must be in stock location. Aftermarket stock radiators allowed.

You may bolt air conditioner condenser in front of radiator.

No homemade radiators. No radiator protectors allowed.

Driver's Safety-You are allowed a driver's door plate/protection. This cannot exceed past 3" of the driver's door seam either way.

All cage components cannot exceed 6" OD and cannot be any smaller than 2" OD. This cage is strongly recommended for your safety!

You are allowed a dash bar, a bar behind the seat, and you can connect these 2 bars along the inside of the doors. All cage components must be free floating, no down legs! Dash bar must be 6" away from the transmission tunnel.

Rollover bar consists of (2) uprights and (1) horizontal bar over the cab. No forward or rearward bars!

Cab can be welded to box on the exterior only!

Doors-Doors may be welded 5" on 5" off with nothing larger than 3" wide by 1/4" thick strapping. If you choose not to weld, you are allowed to chain or 9 wire your doors shut.

Tires-Any tire is allowed. No split rims.

Suspension-Maximum frame height is 28 inches to the top, minimum frame height is 19 inches to bottom. No exceptions! Stock springs only, no homemade springs! You may clamp springs together with factory or homemade clamps, (6) per side. Homemade clamp size cannot exceed 3" wide material and cannot be thicker than 3/8". 7/16" bolts max is allowed to bolt the homemade spring clamps together.

No leaf conversions No exceptions!!

2x2" tube vertical from axle to frame is allowed to get height.

Control arm trucks are allowed (2) 4"x4"x1/4" plates to set ride height only (no further forward or back than the widest point of A Arms)

All suspension components must be mounted to the frame in the factory location in the factory manner.

Batteries and Fuel Tank

Fuel cell is mandatory and is to be located in the most forward center of box or inside of cab. Gas line to be run in a protective conduit.

No plastic tanks!

Two batteries max, batteries must be covered or in a box. All battery boxes and fuel cells must be mounted securely.

Body Panels-No creasing/folding/tucking is allowed

Body Bolts & Box- Body bolts can be replaced, up to 3/4" max rod. You may add (4) additional body bolts in the box, and (2) additional body bolts in the cab. These can be welded to the frame but must be vertical and cannot exceed the 3/4" rod! 6"x 6" washers in stock mount locations are allowed.

Box must remain upright and in stock location, no tucking, shortening, or other manipulation to the box is allowed!

All boxes that tucked themselves in during the event need to be straightened out in a respectable manner if they want to run the next event.

You are allowed a plate for your gas tank to sit on, the plate can be 3" wider in all directions of your fuel

cell. It must be freefloating and can be bolted to sheet metal only, you cannot connect it to your backseat bar or cab!

Tail Gate- Tailgate must remain upright in the stock location. Tail gate may be dropped a maximum of 8" but must remain vertical. You may weld tailgate to frame or bumper. No tucking of tail gate is allowed.

You have (3) ways of fastening your tailgate. You may weld a 3" wide strap per seam, or Chain/9 Wire at (2) locations per seam. Outside only.

Rear Ends-No braced rear ends are allowed! Factory 5 or 6 lug rear ends only, no 8 lug rear ends allowed! (1) additional 3/8" chain per side is allowed to hold rear end in place.

Repair-No Plated Fresh Trucks! Pre run trucks get up to 12" of 3"x1/4" thick of plating per rail. It must be on a clearly bent area, not stress marks. When this plating is gone it is gone, you do not get 13"!