

# GENERAL RULES FOR ALL CLASSES

## PLEASE READ RULES WELL, CHANGES HAVE BEEN MADE

For questions call Doug at 507-476-0293

1. Drivers must be at least 16 years of age and have a driver's license. Ages 16 and 17 must preregister and send a notarized release form.
2. One pit man is included with entry; extra pitcrew \$20 each.
3. **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 \$50 penalty. Entries later than 30 mins to race time won't be accepted. No exceptions.**
4. Everyone entering the event area is required to sign their own name on the entrance waiver before entering the pits.
5. Drivers must wear seat belt and full-face helmet along with eye protection at all times while operating vehicle.
6. Drivers and pitcrew must attend the pit meeting 45 mins before race time.
7. No driver or pitcrew 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.
8. No hot rodding in the pits. Keep it at an idle.
9. Fire extinguisher required in pits.
10. Drivers will have 1 minute to make a legal, metal-bending hit.
11. If your car dies you will be given 1 minute for restarts, then 30 seconds to make a hit.
12. Any open door or fire will cause disqualification for that heat.
13. **Any vehicle thought to be unsafe will be disqualified for that heat.**
14. No EICaminos, convertibles, hearses, limos, etc. No re-stubbing frames.
15. **Sandbagging and team-driving are not tolerated, and will be strictly enforced. This is your warning.**
16. **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 dq'ed in a heat, you may not compete in consi/feature.**
17. **We will be unhooking cars that are hung-up in the FEATURES ONLY.**
18. Any questions or controversies will be discussed at the pit meeting.
19. Only the driver may speak with any questions or controversies (no pitcrew).
20. All official's decisions are final.
21. If there are not enough cars to run a class, those cars will be given the option to enter another class.
22. **Yelling at, use of profanity toward, or interrupting an official will result in you being escorted from the event area. This includes your pitcrew. 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-specified 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. You will not even be inspected.**
4. Absolutely no 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"X15" roof sign with your number on it, and on both doors.
7. All trailer hitches and braces must be removed.
8. Wheel centers allowed. Trucks using split rims must add at least eight 1" welds to ring. No bead-locks or screws through the rim.
9. Wheel weights must be removed.
10. Tires must be filled with air only. No solid or 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 4" max. washers. 1" space must be between body and frame.
14. Interior body seams and window openings may be welded in all classes except chain stock. No added metal.
15. Body panel shaping allowed in all classes except chain stock/midsize. Trunks must be a minimum of 6" from floor pan. Panels may not be doubled over and welded.
16. Body and frame rust patching is allowed, 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 1" past the damage. Don't abuse this rule, or you'll be cut! Call with questions.
17. Frame patching is allowed only on bent cars that **need** it (officials discretion). 2 patches total in front, 2 patches total in rear (a total of 4 pieces of metal used for entire car). No bigger than 4"x4", no thicker than the original frame rail. **Must be able to prove bend.** Leave a spot un-welded to prove thickness.
18. Drivers door may be welded solid. May be reinforced, but no further than 6" beyond the door seam.
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 12 bolts per fender.
21. You may add up to 16 bolts or self-tapping screws 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 chains from the roof to the cowl to protect driver.
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 except chain stock/midsize. Max. of one 3"x 3/8" flat or C-channel. 6"x6" max. endplates, Must be vertical, no more than 6" onto trunk lid. 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. Home-made driveshafts allowed.
3. Motor mounts may be chained or welded, but must not reinforce frame in any way.
4. You may use headers and floor shifters.
5. Differentials may be welded for posi.
6. Must have at least 2 working brakes.
7. You must have an air cleaner on at all times.
8. 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.
9. Mid-plates and distributor protectors, carb protector, and steel bellhousings/steel tailshafts are allowed in the Heavy truck and Full-Size MOD classes. Transmission bracing that doesn't involve a steel bellhousing and tailshaft is allowed in full-sized weld. Compact truck, and light truck classes. Call with questions.

## **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.

## **BUMPERS AND BUMPER BRACKETS**

1. Bumpers and bumper shocks must remain completely stock, other than allowed in rules.

2. **Heavy Trucks** and **Full-Size Mod** cars may stuff bumpers, but must appear stock to the crowd. Must contour the factory chrome. This means NO HOMEMADE BUMPERS! Don't abuse this rule, call with questions.
3. Classes that aren't allowed to stuff bumpers must have at least a 2" inspection hole in bumper ends.
4. Two bumper shocks or brackets for the front, two for the rear. (No doubled brackets)
5. **Minimum rear bumper height for all classes including trucks is 16" to the bottom if quarter panels/box sides are vertical, and 22" to the bottom if the quarter panels/box sides are not vertical. Maximum height is 28" to the top.**

### **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.
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.
6. Holes in the firewall must be covered well.
7. Spreader bars must be no larger than 6" diameter. One in dash, one behind driver's seat- no further than 18" behind driver seat. Dash bar must be at least 8" away from engine and transmission. May connect the two, to form a 4-point cage.
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 in one of two ways: Welded to the back of the spreader bar and floor, no more than 30"x30". Or welded to the back of the spreader bar only, 2"x2" max. pipe **free-floating** 2" min. from floor, 12" min. from doors.

### **FUEL SYSTEM:**

1. Fuel tank must be located in 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 10 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:**

**Full-Size Weld Class-** Any standard passenger.

subframes. '98-'02 Fords must use FACTORY rear suspension. Y-framers may not plate, only pinch and weld frame together, and use bumper shocks. Buick, Olds, and Pontiacs may fill the large hole in frame behind core support. This must be a butt-fit one pass weld only. K-frames may be welded with two 3" long beads per frame rail (Four welds totaling 12" for entire K-frame)

1. ALL GENERAL RULES APPLY, WITH THESE EXCEPTION.

2. You may weld, chain, bolt, or wire the doors and trunk shut.

3. Door and trunk seams may be welded, 5" max. weld, 5" min. gaps. NO SOLID WELDING!

4. The ONLY welding allowed on the frame is not more than a 3/8" wide bead on the top seam only, firewall forward. Do not weld the bottom seam.

5. No welding inner and outer fenders together, inner fenders to frame, etc.

6. Hood may be bolted, wired, or chained shut only. Max of six 1" hood pins and 6" max. washers. May be welded in place. Only two may go to frame

7. Trunk may use up to four 1" trunk pins with 4" max washers. May be welded in place. Only two may go to frame. May also be welded shut also, 5" on, 5" off.

8. Maximum of 9 leafs per side. Must be factory thickness and have factory step-down

9. Coil springs may be interchanged.

10. Tie rod ends may be reinforced, but must start with originals (not home-made).

11. Hybrid diffs. allowed, 5-lug max. No 3/4 ton diffs.

12. Bumpers, bumper shocks, and brackets may be welded and/or bolted to the car. Bumpers may be seam welded.

13. Front suspension may be welded with two 2" straps, may not strengthen frame.

14. You may wire windows in 3 places per window opening. Must remain within that window. Wire may go to the frame in no more than four places. Washers may be welded in place to support the wire, 2" max. Welded to sheetmetal only, not frame.

**Compact-** May be up to 105.5" wheel base. 6 cylinder and less only. Leave VIN tag in tact, to verify wheelbase.

1. ALL GENERAL RULES APPLY, WITH THESE EXCEPTION.

2. All parts must be compact origin, except bumpers and rims

3. Fullsize bumpers allowed, may be seam welded.

4. Any Compact car bumper shock is allowed. If you don't used a bumper shock, you may use a 2"x2"x8" max square or round pipe. Call with questions.

5. You may wire windows in 3 places per window opening. Must remain within that window. Wire may go to the frame in no more than 4 places. Washers may be welded in place to support the wire, 2" max. Welded to sheetmetal only, not frame.

6. Maximum of 5 leafs per side. Must be factory thickness and have factory step-down.

7. Compact differentials only. No differential bracing.

8. Aftermarket engine cradles allowed, no "extreme" setup. Call with questions.

9. Distributor protectors, carb protectors. And tran. Bracing is Not allowed. Valve cover, fuel pump protectors, etc. are allowed, but cannot strengthen car. 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.

11. Frame and body seams may be welded.

12. K-frames may not be welded.

13. Door and trunk seams may be chained, wired, bolted, or welded shut, 5" max. weld, 5" min. gaps.

14. Hood may be chained, wired, or bolted shut (pick only 1). Max. of four 1" hood pins with 6" max. washers. Only two may go to frame. They may be welded in place.

15. Trunk may use up to four 1" ready rod with 4" max washers. Only two may go to frame. They may be welded in place. May also be welded shut also, 5" on, 5" off.

**Heavy Truck-** 4x4 or 2wd trucks allowed, 4x4's must have front driveshaft removed. No suburban, Broncos, or Blazers allowed. Only ½ or ¾ ton trucks. 1. ALL GENERAL RULES APPLY, WITH THESE EXCEPTIONS. 2. Tailgates must be welded shut. May use 3"x3"x ¼" thick angle iron or 4"x ¼" thick flat steel. May weld straps to bumper. 3. May use up to 8 additional bolts to hold box to frame ¾" max bolts, 6" max washers. No pipe may be used to run the bolt through. 4. Hood may be bolted, wired, or chained shut. Max of six 1" ready rods with 6" max washers. Max of 4 may go to the frame. 5. May use up to 4 additional bolts to hold cab to frame. ¾" max bolts, 6" max washers. No pipe may be used to run the bolt through. 6. May weld box to cab with no more than a 4" wide, ¼" thick plate. 7. Maximum of 12 leaves per side in the rear, 9 per side in the front. 2" min step-down. Max of 6 spring clamps per side. Pre-loading allowed. 8. Engine must remain within 6" of original. 9. Tie-rod ends and a-arms may be reinforced. After market and custom tie rods are allowed. 10. May use kicker bars from bumper ends to frame. Front only. NO larger than 3"x3", ¼" max thickness. No further than 12" beyond back of bumper. May use bumper shock for this, as long as it's no larger than these dimensions. Must have a 1.5" inspection hole in the side. 11. Differentials must be ¾ or 1-ton, 8 lug max. No split rims! Differential bracing allowed, but must not attach to anything other than differential itself. Cannot be incorporated with suspension parts. 12. Mid-plates allowed, but may not reinforce the frame. If no mid-plate is used, you may use a 4" wide, ¼" thick strap from front of the engine to the frame on both sides of

engine. May not use both a mid-plate and straps. 13. Radiator core support may use 2 kickers. 2"x2"x1/4" thick max. No longer than 2 feet total length. 14. UN-PRESSURIZED radi-barrels allowed, in stock location. No radi-barrels mounted in cab or box. Must be vented downward. Must be safe. If not using a radi-barrel, you may bolt a 3/8" max thick plate in front of radiator. May not do both. Neither of these may be welded in place. Bolted only, with 1/2" bolts, 2" washers to the core support. 2 bolts may attach to frame, 1/2" max bolt, with 3" max washer. Nothing welded to frame or core support. 15. Frame patching is allowed only on pre-ran trucks that NEED it (official's discretion). 10" per side= 20" total for entire truck. 1/4" max thickness. No taller than the side of frame rail (must not wrap around top or bottom of frame). Leave a spot un-welded to prove thickness. 16. Pre-rans may re-stub the front frame with a 2" overlap, but must be done with same Year range/Make/Model of frame. If you re-stub your frame, it is considered fresh and may not be patched or plated anywhere. 17. Bumper height, rollover bar, front suspension, and trans. cooler rules are the same as light trucks.