

## St. Claude Autobody Demo Derby General Rules

1. All rules will be followed by the driver and pit crew, or you will not run!! Car must pass inspection in order to run. **NO REFUNDS!**
2. Drivers must be 18 years of age and have a valid driver's license.
3. **The driver must wear a seat belt, helmet, coveralls (long sleeve), and boots, along with eye protection at all times when operating vehicle. Please no running shoes. We recommend that you wear some kind of neck protection.**
4. Cars are not obligated to have a fire extinguisher. Firefighters will be on site in case of fire.
5. In case of a rollover, the car will be turned back onto its wheels at which point the driver will have 2 minutes to start the vehicle. Otherwise he/she will be disqualified.
6. Each driver must call or email to confirm their spot prior to the derby. They must also fill out an entry form and sign a waiver of liability the day of the event. The pit crew must also sign waivers the day of the event. Drivers and pit crew must make arrangements to have their entry passes **BEFORE** the day of the event. These passes will get you and your crew into the fairgrounds without paying an additional entry fee. If you don't have your passes, you must pay at the gate. **NO EXCEPTIONS.**
7. **DO NOT** hit the driver's door! Sometimes this happens, but if it looks intentional, you will be disqualified. Don't use your door as a shield; it may cause you to get disqualified. This will be at the judge's discretion.
8. No vulgarity or obscene "artwork" on the cars. This is a family event, so let's keep it clean.
9. No hot rodding in the pits, keep it at an idle. If you are being towed, do not try to start or drive your vehicle.
10. Any open door will cause disqualification from that heat.
11. In case of fire, after it is extinguished, the driver will have 2 minutes to restart the vehicle. If the vehicle can run safely without re-ignition, the driver will be allowed to continue. A second fire will result in disqualification.
12. You are given 1 minute for a hit, 2 minutes for restarts and 1 minute if you are hung up.
13. No alcohol in the pits, if anyone is caught with alcohol, they will be disqualified, this includes their pit crew.
14. Only the driver and two (2) pit crew members are permitted in the pit area.
15. Cars are subject to re-inspection before the event and before any prize money is handed out. There is a \$50 protest fee and you must be a driver in order to protest. Driver must have cash in hand directly after feature event in order to protest. **Only the driver can talk to the official after a heat.** A refund will be given if legitimate.
16. Entry fees are to be paid on site by 4PM the day of the event. Drivers and car must be on site for inspection by 4PM.
17. Judges decisions are **FINAL!!!** There is zero tolerance when it comes to verbal abuse to towards the judges.

## CAR PREPARATION RULES

**The Golden Rule: If the car wasn't built that way from factory or it doesn't say you can do it in the rules, THEN YOU CAN'T DO IT.**

1. Only sedans or station wagons can be run. The following are NOT allowed: 4x4's, ambulances, hearses, trucks, limousines, **AMC's, Volvos, Imperials, convertibles, vans, or suicide door Lincolns. Also mid and rear engine cars are not allowed.**
2. **All glass and plastic must be removed.** Nothing may remain in the bottom of the doors or trunks. All outside hardware must be removed for example: Headlights, taillights, door handles, mirrors, chrome, moldings, screw, fiberglass, Station Wagon Decking, etc.
3. No reinforcements allowed other than specified below. Any metal added to reinforce the car is illegal! **ABSOLUTELY NO WELDING ON FRAMES OR BODY UNLESS SPECIFIED!!**
4. No added weight to the car except the weld. No buffing, grinding, or packing the frames, trunks, doors, or under floor.
5. Front seats must be securely mounted to the floor. Must have some form of an operable seat belt. All cars **MUST** have inner padding on driver's door.
6. All flammable materials inside the car must be removed except necessary safety padding and seat.
7. **ALL CARS MUST HAVE A NUMBER** (at least 12'' in size) **ON THE TOP, LEFT, AND RIGHT OF THE CAR.** You must choose your number and confirm it when emailing or calling to confirm your spot in the derby.
8. Small cars must have a wheelbase of 104'' or shorter and big cars must have a wheelbase of 105' or longer.
9. **A beam must be bolted behind the driver's seat from B- pillar to B- pillar to keep the driver safe. This beam will also keep the seat from breaking and falling backwards. This beam needs to be mounted lower than the window opening.**
10. **A beam can also be mounted behind the driver's seat from the floor to the roof**
11. **Both of these beams are min 2'' and max 4'' and must be square tubing, I-Beam or pipe with a maximum 6''x6'' plate welded at each end. Beams are to be bolted to sheet metal only.**
12. **All sheet metal (doors, hood, trunk etc...) must be bolted in factory locations. Hoods and trunk cannot be flipped or slid forward.**
13. **Mufflers, converters and tailpipes must be removed.**
14. Hood must have 12'' diameter hole cut in center in case of fire.

### **Tires:**

1. No split rims, studded tires or tractor lugs.
2. **Only passenger ("P") or light trucks ("LT") are allowed, no implement or skid steer or forklift tires.**
3. **Max tire size 30'' (235)**
4. **All wheel weight MUST be removed.**

### **Brakes:**

1. All cars must exhibit the ability to stop. If a car loses its braking ability it will be subject to disqualification.
2. Brakes will be checked prior to each event.

### **Engines, transmissions and rear ends:**

1. Any power train combination may be used in any car. Motor must be mounted securely. You may cut a hole in the firewall to accommodate the engine within reason. **However it must be covered to prevent a fire hazard.**
2. No holes will be allowed in the front floor of the car except to accommodate the transmission shifter, fuel lines, transmission lines and wiring. Patching holes is for safety not reinforcement.
3. Stock motor mounts may be chained to the frame.
4. **Stock driveshaft only, no PTO shafts or added hangers**
5. Differentials may be welded to make posi

### **Doors, trunk, hood and windshield:**

1. **The all doors including the driver's door must also be chained shut in 2 places. You may smash the inner and outer door skins together.**
2. Driver's door is to be painted white and left blank. Driver's door **must** be reinforced using a channel (min 4" max 8" wide) or flat bar of some sort (Grader blade or similar). This reinforcement must be BOLTED on and cannot extend more than 6" onto the adjacent panel.
3. **Door latches must remain in the doors as they help keep the doors closed.**
4. You may **bolt** a brace (cowl bar) from the top of your windshield opening to the cowl for protection.
5. Windshields must be removed.
6. **Cars must have some kind of metal mesh over the driver's half of the windshield opening. No snow fence please.**
7. Trunk must have 12" diameter hole cut in center for inspection. It must be chained or bolted shut in 4 areas.
8. Hood must have 12" diameter hole cut in center. It must be chained or bolted shut in 4 areas
9. 2 chains from the front or rear bumper may wrap through the trunk or hood in addition to the 4 other bolts of chains.

### **Welding:**

1. The only welding allowed is to your differential to make it posi.

### **Chain and bolt specs:**

1. 3/8" inch chain is allowed to secure front and rear bumpers to the body, and to chain the doors, trunk and hood shut.
2. Hood and trunk may be bolted shut in 4 spots instead of using chains.
3. Chains only on the doors, no bolts.
4. Chain must be tight and cannot be double wrapped.
5. **Do not wrap chains or bolt to the frame, sheet metal to sheet metal only.**
6. You may chain your motor, but it must be bolted to an existing bolt, do not weld chain to frame.
7. **No welding of chain what so ever.**

### **Bumpers:**

1. **Bumpers are NOT interchangeable. No homemade bumpers or brackets. If your car is not equipped with a steel rebar (For example, a Ford Contour has composite rebar), you must run without a rebar. Do your homework before you buy a car. NO EXCEPTIONS.**
2. **You may not weld the bumper brackets to the frame or to the bumper**
3. Bumpers may be cut so they do not smash into the tires however there cannot be any sharp edges.
4. **Compression bumper shocks may be drained and slid back into the shock but NOT welded.**

### **Frame:**

1. Original body on stock frames for that year must be used.
2. **All body mounts (rubber biscuit and metal cone ("Pucks")), must be stock and in place. You may not remove "Pucks" and place washers between the frame and body.**
3. **Body mount bolts may not be replaced. Original bolts only.**
4. Do not paint, undercoat or cover the frame in anyway.
5. No hitches

### **Radiators & coolers:**

1. Radiators must stay in the stock OEM position. (No added water capacity).
2. Radiator may be by-passed; you may run no cooling system at all.
3. No additional rads may be used
4. **Coolant must be drained and replaced with water.**

### **Transmission coolers:**

1. Transmission coolers will be allowed.
2. **Transmission coolers can be mounted inside the vehicle if done safely and mounted securely away from the driver, in the back seat area.**
3. **All connections must be clamped with a hose clamp.**
4. Overall safety will be determined by officials at time of inspection. Judges decisions are final!

## **Gas Tanks:**

1. Original gas tanks must be removed from the car.
2. You must have gas tank securely mounted inside the car in the center of the rear seat area.
3. Your fuel line may be run on the inside of the car. Your lines may go through the floor and connect to the original steel lines if they are run inside the frame.
4. A maximum size of 6.5 gallons can be used. **This must be a steal boat tank, a CSA APPROVED marine type tank or fuel cell. Plastic tanks cannot be cut to accommodate an in-tank style pump, in this case an in-line electric pump must be used. You may use the factory fuel pump with a plastic tank as long as the tank is not cut or modified.**
5. Fuel lines must be designated for fuel use (steel, cooper, rubber, or plastic... no garden hose)
6. **Electric fuel pump shut off switch must be clearly marked and easily accessible should it need to be shut off in case of emergency.**
7. **Your fuel tank must be covered by a non- flammable cover.** Rubber and sheet metal are acceptable as they will prevent fuel from splashing should there be a leak. Covers will need to be removed prior to inspection.
8. **Fuel tanks must be secured using threaded rods, bolts and appropriate brackets.** You may also use ratchet straps as long and they are fastened to a proper mounting bracket.
9. Overall safety will be determined by officials at time of inspection.

## **Battery:**

1. Two (2) 12-volt batteries may be used.
2. The batteries must be securely fastened inside the car in front of the passenger seat area. Batteries must be secured using threaded rod or bolts through the floor. No pull straps, tarp straps or E-Z strapping. Ratchet straps may be used as long as they are properly secured to a solid anchor point.
3. Overall safety will be determined by officials at time of inspection.

## **Air Cleaners:**

1. You must have an air cleaner over the carburetor at all times during the event. The filter must be removed.

## **Suspension:**

1. Suspension must be Original Factory for that make and model of car.
2. Both ends of car must have a working suspension and bounce freely.
3. No adding reinforcements to the suspension or steering parts.
4. OEM leaf spring clamps may be used. (max 2 per side of car)
5. No truck leafs
6. Air shocks lines must be cut.