



# *Dakota County Fair Demolition Derby*

## *Limited Weld Compact Car Class*

### **GENERAL PREPARATION:**

1. All glass, plastic and pot metal must be removed.
2. Nothing may remain in the bottoms of the trunk or doors.
3. All outer hardware must be removed – door handles, mirrors, chrome, moldings, screws, fiberglass, etc.
4. No added weight to any car.
5. Rear seats in all cars and all decking in station wagons must be removed.
6. Front seat must be securely bolted to the floor; however, these bolts may NOT go thru the frame!
7. You must have a functioning seat belt.
8. All flammable materials must be removed from the inside of the vehicle other than safety padding and the driver's seat.

### **SAFETY RULES:**

1. Safety hood holes for fire.
2. Radi-barrels are not allowed.
3. Radiator must be in stock position in front of the motor.
4. Radiator must contain water only, or environmentally friendly antifreeze (no green antifreeze).
5. Marine tank or metal fuel tank will be allowed. No plastic tanks allowed.
6. Original gas tanks must be removed from car. You cannot use original gas tank!
7. You must have the gas tank securely mounted behind the driver's seat and it must be covered. Bolt may not go through the frame.
8. Fuel lines must run inside the car, not under the car along frame.
9. Electric fuel pumps are allowed. They must be covered and have an on/off switch near the steering wheel and clearly marked in large letters.
10. No studded or 100% steel wheels.
11. Wheel weights must be removed.
12. Split rims must be welded at least 4 places around the rim with a 4" long bead in each spot.
13. Brake systems must be operational.

14. You must have a minimum of 1 bar or max of 2 bars, 3" max, chain or wire running from roof to cowl in windshield area for Driver's protection. May not attach to the cage in any way. You may have two ¼ inch flat stock window bars maximum.
15. No chain binders will be allowed.
16. All 4-wheel drive vehicles must remove one drive shaft.
17. Floor sheet metal maybe patched where components will be mounted or for Driver's protection, sheet metal only. No other patching is allowed unless it's a safety issue-call first. You must leave the rusty floors in place, do not cut them out.

## **GENERAL**

### **Front Wheel Drive ONLY**

1. Any hardtop cars, including station wagons are allowed *except* ambulances, hearses and carryalls. You may swap engines. Engines must be six cylinders or less.
2. Exterior molding, license plates and glass, including head and taillights must be removed before entering the fairgrounds. The rear seat must be removed. All dirt, debris and other loose pieces must be swept out.
3. Gas tank must be strapped in back seat and covered; tank can be metal and cannot hold more than five gallons of fuel. The original tank must be removed or dropped. No electric fuel pumps unless standard equipment. Cannot use original gas tank.
4. Gas tank protectors are allowed. May not be attached to door bars. May be attached to seat bar. May not be more than 24" wide at the back and not more than 10" tall. It cannot be attached to rear seat pan-divider.
5. Cooling system must be original equipment and must contain water only. Trans Coolers allowed.
6. Any flat car bumper allowed – NO points. Bumper may be welded to frame but with only two straps per frame rail. 4"x6"x1/4" to keep bumper attached. No trailer hitches or other reinforcement.
7. All body parts, including fenders, must be in place. Trunks, body and frame may not be welded for reinforcement. Pre-bending of sheet metal is allowed.
8. External door skins can be welded. 5 on 5 off, no welding on inside of doors.
9. Cars must have standard suspension. No welding of front or rear suspension.
10. You are allowed (2) 12-volt batteries in the car.
11. Car hood and trunk must be held down using two single strands of chain (3/8" max), or #9 wire, maximum of 4 strands (2 loops). 2 through cowl and hood also allowed for safety. Or maximum 4 bolts, 1" threaded rod, max 6" washer. Front two may go through the frame and the other two tin to tin. Washers must be free floating. 2 bolts allowed in trunk with 6" free floating washers. Two 6" diameter holes must be cut in hood (fire access).

12. Minimum 2" and maximum 3" tubing MUST be placed in car running from post to post behind driver's seat with maximum 12" square end plates permanently attached to cars body. If dashboard is removed, a safety bar with minimum 2" and maximum 3" tubing and 6" square mounting plates must be installed in its place. A roll bar manufactured from minimum 2" and maximum of 3" tubing can be installed for driver protection. Roll bar must abut to the back of the driver's seat or safety bar, no kickers. Passenger side safety bar is allowed. Door bars may not go past fire wall and must end 6" in front of rear wheel house. Allowed 4 vertical down bars attached to sheet metal only, 3x3" max tubing. May not go to or conceal a body mount. Roll bar may go over roof.
13. Each driver must have a fully functional five-pound ABC fire extinguisher on site in tow vehicle.
14. Car number must be on both front doors, rear lid and roof; no advertising or other signage in these areas. No upright signs higher than 12" *or longer than 24"* on car roof.
15. Driver's door may be reinforced with maximum of 1" thick plating extending no more than 3" past door o opening seams, and no more than 24" wide.
16. Body bolts cannot be larger than 1/2" in diameter with 3"x3"x1/4" plate in original positions. Washers must be free floating.
17. Hatch backs and tailgates may be chained in two spots or two pieces of 3"x3"x 4" angle iron with 1" bolts to hold them together in two places.
18. Any tire allowed. No solid steel wheels. Must have rubber around them.

#### **Doors**

1. Doors may be welded 5" on 5" off, with 4"x4"x1/4" flat. This includes trunk. Drivers door may be welded on inside.

#### **Safety Bars**

2. Dash bars and seat bars are allowed. May be connected to each other with door bars. Door bars must be at least 10" off the floor, cannot be connected to the floor. Halo bars are allowed. Gas tank protectors are allowed, must have 4" of clearance from body and frame.

#### **Engine**

3. Engine may be mounted solid in (2) spots with 4"x1/4"x10" long at each spot (transmission mount counts as one). Headers and carbs are allowed.

#### **Suspension/Steering**

4. Suspension may be solid. No metal can be added (Weld Only). Tie rods may be reinforced.

#### **Frames**

5. Frames may be repaired in 2 spots with 4"x1/4"x6" flat iron at each spot. No other welding or repair will be allowed.