

## **North Central North Dakota Demolition Derby**

This set of rules applies to Rugby (Pierce County Fair), Leeds (Leeds Harvest Days), and Balta (Balta Days)

### **General Rules**

1. Everything in rules is up to judges discretion
2. no drinking of alcohol in pits until the event is over. If caught, you will be disqualified. This includes your pit crew.
3. All discrepancies will be brought to head official by DRIVER ONLY.
4. No hot rodding in pits. Keep motors at idle. No riding on derby cars period. People caught riding on cars will be told to leave the pits.
5. Seat belts, helmets, long sleeves, jeans and shoes or boots, no open toed footwear or sandals.
6. No hitting of the driver's door will be disqualified.
7. No climbing out of your car, unless heat is under red flag
8. No drivers under the age of 18 without parental consent form signed.
9. You will have to make a good hit within 2 minutes or you will be out.
10. Alcohol will not be allowed. Pump gas or race gas will only be allowed; this is for everyone's safety.
11. All drivers must have jeans, boots, and a long sleeve shirt. Drivers need to also have a helmet that fits. NO OPEN FACE HELMETS....

### **Car Rules**

1. All 1978 and newer cars are allowed except limos, ambulances, hearse, imperials, etc. And question on a car call before you build.
2. All glass, trim, chrome, and interior must be removed from the car.
3. Gas tanks must be removed and located inside of the car, batteries relocated to the interior of the car. If you run a gas tank that's not a fuel cell you must have it covered with a non flammable material. All batteries must be covered for drivers safety.

4. Must have a working seat belt, car must have numbers painted on or have a roof sign.

### **Frame Rules**

4. The frame must match the body.

5. 78 and newer cars will be allowed to tilt the frame in only one spot of choice, no double tilting.

6. any car older than 78 will not be allowed to tilt

7. You are allowed to notch frames.

8. You are not allowed to shorten the rear frame.

9. You are allowed to hard nose within a half inch in front of the core support mounting hole or mount. You cannot move mount.

10. You will be allowed a gusset from main frame rail to backside of crush box or s curve, 45 degree angle, if any questions call beforehand, gusset can only be one piece of material, 2x4 tubing is the largest material you can use, do not abuse this rule. Remember judges discretion

11. Crossmember mounting can be no larger than 3x3 angle iron 5 inches long for factory cross members, if you choose to run a homemade crossmember you can use only 2x2 square tubing maximum size and can only weld to inside frame rail.

12. No squaring or altering of frame of any kind

13. You are allowed to weld top seam only from front bumper to front control arm mount  $\frac{1}{2}$  inch bead single pass.

14. Frame rust repair: take a photo of hole in frame with tape measure, may fix with  $\frac{1}{8}$  inch material, only allowed to go 1 inch past. If you do not have proof you will be cutting.

### **BODY**

15. You will be allowed to remove body bolts and rubber spacers, you may replace with up to  $\frac{3}{4}$  bolts and only washers on top and bottom, no plates, all bolts must be inside the frame, you are allowed six bolts in fenders and rear quarters.

16. Creasing will be allowed, tuck and fold trunk only no dishing or canoeing.

17. Show bar is allowed 2x2 max size, no longer than 40 inches.

18. You are allowed to fasten trunk lid by 12  $\frac{3}{8}$  bolts or 6 3x4 by  $\frac{1}{8}$  , or six single wrap of chain or ninewire one method ONLY.

19. You are allowed three 3x5 plates per door seam, or three single wrap of chain or nine wire per seam one method only EXCEPTION drivers door may be fully welded or have door skin not exceed two inches past seam, NO INTERIOR DOOR PLATES

20. Windshield must have a A frame or H CAN ONLY CONNECT TO ROOF AND FIREWALL can only overlap roof and firewall 5 inches.

### **CAGE**

21. You are allowed a four point. cage no material larger than 4x4 material, door bars maximum length 65 inches, allowed 1 down bar per side to frame has to be within front door seam can be welded to topside of frame only, halo no larger than 4x4 material can be welded to the frame. Halo must be a minimum of 5 inches away from the backseat body bolt. You are allowed one down bar and halo to each frame rail, and the cage has to be a minimum of 4 inches above the trans tunnel and 4 inches above the backseat floor.

22. Gas tank protector is allowed no larger than 4x4 material, cannot be pressured in, can touch tin but cannot be pushed into, maximum width is 30 inches, material cannot be any taller than three inches above your gas tank, you may have kickers from halo to back of gas tank protector max 4x4, NO INTERIOR DOOR PLATES

23. You are allowed aftermarket pedals,trans cooler,shifter,battery box, steering column, Gas / brake pedals, battery box cannot be pressured into floor, or welded to any cage material, only allowed two batteries.

24. Gas tank cannot exceed 10 gallons, the original tank must be removed and located inside the car, no ratchet straps or bungee cords, must be chained or bolted.

### **CORE SUPPORT AND HOOD**

25. Core support spacer of 4 inches tall from top of frame to bottom of core support will be allowed. Spacer can be no larger than 3 inches in diameter. If factory mount is rusted out or to bent to reuse may weld to side of the frame with 2 weld no more then 6 inches of weld in total. Front core support can use 1 inch all thread , you can tie your hood down in six total spots, the other four may be  $\frac{3}{4}$  inch only and only attach to sheet metal only with 3x3x4 angle iron, hood plates can only be 5x5 or you can attach hood with single wrap of chain in six spots only, use one method only,must have minimum of 12x12 hole in hood, can use 8  $\frac{3}{8}$  bolts to hold layers of hood together, no hood straps

### **FRONT BUMPER**

26. Can use oem bumper, skins can be welded down, no stuffing of bumpers or homemade bumper but must follow these specs; may have no larger than a 4 inch pt over a 36 inch span with 4x6 ¼ inch thick max no stacking. Bumper ends must be open to look all the way through. You will be allowed to have 2 straps from hood to bumper. Bumper straps and be no wider then 4 inches and 3/16 thick. You may hard nose bumper to frame directly to frame, no bumper brackets. If you choose to run bumper shocks you may collapse and weld shocks but must stay in factory location. You cannot weld shock tubes to frame, no hood straps, BUMPERS CANNOT BE TALLER THAN 22 INCHES TO BOTTOM

27. Rear bumper must be oem or 4x4 tubing skin may be welded on oem. Can weld directly to frame or collapse and weld shocks, REAR CANNOT BE LOWER THAN 14 INCHES FROM BOTTOM TO THE GROUND

### **STEERING**

28. All steering components must remain stock, factory replacement parts tie rods, ball joints, spindles, control arms etc. example 03 and newer must have original steering components no intermarriage.

29. Upper A arms may be welded down with two 3x4 no thicker then 3/16

### **REAREND**

30. Rear differential must be factory appearing in a 5 lug pattern only. 98 and newer ford will be allowed to use conversion brackets to mount, must be stock control arms, no modifications ,no plating, stuffing. double coil springs are ok. 4 clamps on leaf springs, leaf springs must be stock to the car you are running, leaf springs must be factory leafs, no added of leafs or flat stacks, pinion brakes allowed as long as they do not strengthen rear end. You are allowed one loop of chain around frame to rear end must be bolted CANNOT BE WELDED, NO BRACED REAR ENDS, NO AXLE SAVERS.

### **MOTOR AND TRANSMISSION**

31. You are allowed a lower cradle only, if you choose to run pulley protector sway bar has to be cut completely out, intermarriage of motor and transmission, motor mounts must be oem or aftermarket with rubber bushing, transmission must be a stock car transmission case. No aftermarket cases, you may use a aftermarket bell but the floor and firewall must be cut away, cannot be attached to cage in any way, must have 4 inch gap, trans must be rubber mounted at tail shaft, motor and trans cannot be pressured in, no mid plates, no full cradles , only can hold motor and transmission in with motor mounts. Aftermarket transmission tail shafts are not allowed. Engines cannot have a front plate or mid plate.

32. Slider driveshafts are allowed

## **TIRES**

33. No studded tires. Any tire of choice as long as its air filled. no foam filled. Solids or double tires. Small centers are allowed. Valve stem protectors are allowed.

## **RADIATORS**

34. All radiators allowed must be in factory location. Cannot reinforce car in any way. No radiator protectors, NO RADIATOR BARRELS, electric fans are ok. A/c condenser will be allowed in the front. Must be in stock location. Will not be allowed to weld a/c condenser to core support in any manner.

## **PRE RAN CARS**

35. Pre-ran cars will be allowed a total of 4 6x6x1/8 plates. In which only 2 per frame rail. If you bend them to make a taco plate they cannot measure any wider than 6 inches at the furthest point.

**All judges decisions are final**

For questions call Kyle Arends: 701-230-0801