

YAKIMA SPEEDWAY

DEMOLITION DERBY

2010



Demolition Derby Rules

Chain and go demo derby

1. All rules will be followed, or you will not run!!
2. Any American make sedan or station wagon can be run. No 4x4's, ambulances, hearses, trucks, limousines, etc...
3. There are two class of demolition vehicles in 2010
 - 103 inch and up wheelbase
 - 101 inch and under front wheel drive only
4. All bodies must be mounted on stock frames. No frame swaps.
5. 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!! This is a chain and go demolition derby.**
6. Drivers must be 18 years of age and have a valid driver's license.
7. Driver must wear a quick release seat belt at least 3" wide with a shoulder belt and helmet, along with eye protection at all times when operating vehicle. Also all vehicles MUST have a fire extinguisher mounted inside the car, with in reach of the driver.
8. ALL drivers and crewmembers must attend the drivers meeting.
9. DO NOT hit the driver's white door! Sometimes this happens, but if it looks intentional or carelessness, you will be disqualified. Don't use your door as a shield, it may cause you to get disqualified.
10. No hot rodding in the pits, keep it at an idle.
11. Any open door or fire will cause disqualification. If in heat, you may fix it and come back in the consolation.
12. NO sandbagging or holding!!! You will be disqualified!!!
13. You are given 60 seconds for aggressive hits, 2 minutes for restarts and 2 minutes if you are hung up.
14. No alcohol in the pits, if anyone is caught with alcohol, they will be disqualified, this includes the pit crew.
15. Cars are subject to re-inspection before any prize money is handed out
16. Any questions give us a call! **If it doesn't say you can do it, don't do it!!**
17. Officials decisions are FINAL!!!

PREPARATION:

- 1- All glass, (except windshield, see doors and windows below), plastic, and pot metal must be removed. Nothing may remain in the bottom of the doors or trunks. All outside hardware must be removed (door handles, mirrors, chrome, molding, screw, fiber glass, Station Wagon Decking, etc)
- 2- No added weight to the car except the weld. No buffing, grinding, or packing the frames, trunks, doors, or under floor.
- 3- Front seats must be securely mounted to the floor however if you are using bolts to secure the seat, they may NOT go through the frame. All cars MUST have inner padding on driver's door.
- 4- All flammable materials inside the car must be removed except necessary safety padding and seat.
- 5- A minimum of one rollover bar must be installed behind driver. Bar must be at least 2" O.D. and at least .095 thick. Bar must be mounted on top and bottom with flat steel of at least 6" x 6" and at least 1/8" thick. Bars must have similar 6" plates on the exterior of car bolted together with at least four 1/2" bolts. It is also recommended that a similar bar be added to the passenger side of the car in front of the passenger seat. One spreader the same size as the top to bottom bars must also be placed side to side behind the drivers seat.

Fuel Pumps:

No electric fuel pumps are allowed unless they are original to the make and model. Must be covered and connected to the master power switch behind the drivers seat. All lines must have double clamps.

Tires:

Tires no bigger than 15 inch (5 ply) may be used. No split rims, studded tires or tractor lugs. Valve seam protectors allowed but do not screw tire to the rim.

Brakes:

All cars must exhibit the ability to stop. If a car loses its braking ability it will be subject to disqualification.

Engines, transmissions and rear ends:

- 1- Engines and transmissions must be for make and model. NO interchanging parts.
 - 2- No holes will be allowed in the front floor or firewall of the car except to accommodate the transmission shifter, fuel lines, transmission lines and wiring. Copper and/or aluminum fuel lines not allowed. Patching holes is for safety not reinforcement; if patching rust holes you may use sheet metal only and not exceed 2" past where rust stops.
 - 3- Stock motor mounts; transmission and motors may be chained, only secure motor chains to an existing bolt, do not weld or add plates to attach it to the frame.
- Rear ends must be for make and model only. Do not weld or added metal to the inside or ends of control arms.

Doors and windows:

1. Chain the doors with a minimum of 3/16" and a max of 1/2" chains.
2. Chaining may go thru or around the frame.
3. Driver's door must be reinforced with 1 or 2 horizontal bars. If two bars are used, they must be of steel material of no less than 4" in width and 1/2" thick. The top bar will be placed 3" below the window opening and the second bar will be 3" above the bottom of the door. Both bars will extend 6" beyond each door edge. If one bar is used, it must be made of steel and be no less than 6" wide and no wider than 12" and a minimum of 1/4" thick. No railroad track or guardrail allowed. All door bars must be bolted securely with at least 1/2" bolts, and have at least 6" by 6" backing plates. Bolts must have threaded end inside of car and any bolt ends near the driver must be padded.
4. Windshield may be removed and replaced with 1/2" screen
5. Drivers door may have window netting for driver's protection. No other window opening is allowed to have any form of window netting.
6. Drivers door must be painted white for safety purposes.

Welding:

- 1- The only welding allowed is the bumpers shocks and roll bars.
- 2- Hood and trunk may be chained shut only.
- 3- No stacking of filler in any seams or gaps.
- 4- No body seam welding allowed inside or out.

Bolting:

- 1- All body bolts must be stock size (GM's are 7/16") except radiator core support (may replace old bolts with new bolts).
- 2- Washers may not exceed 5" (five) inches in diameter.
- 3- Only three 3/8" bolts or self tapping screws with 1" washers per cutout hole (trunk/hood), or wheel well.
- 4- No welding of the cutouts is allowed.
- 5- You must have a 12" x 12" hole minimum cut in the trunk lid for inspection.
- 6- Hood must be off or open during inspection.

Chains:

- 1- 3/8" inch chain is allowed to secure front and rear bumpers to the frame. Only two chains may be used per bumper. Chains must not extend past radiator support in front or factory brackets in the rear.
- 2- No chain may be welded at any point to the frame or body.
- 3- Don't not wrap chains around the frame. Sheet metal to sheet metal only.
- 4- Chains may not strengthen the vehicle
- 5- You may chain your motor, but it must be bolted to an existing bolt, do not weld chain to frame.
- 7- You may not weld any chain links to create a bar effect.

Bumpers:

- 1- Bumpers must be original to make and model. No homemade bumpers or brackets.
2. No welding of bumper.
- 3- Bumpers may be cut so they do not smash into the tires during the event.
- 4- Compression bumper shocks may be drained slid back into the shock and welded fully. Weld them good we don't want bumpers on the track
- 5- No material may be added.
- 6- No bumper chrome may be welded to the body.

Frame:

- 1- There's absolutely no welding on the frame.
- 2- Original body on stock frames for that year must be used.
- 3- No cut frames or pre-bending.
- 4- 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.
- 5- You may replace stock bolts and washers on outside of body and frame, but must not exceed stock bolt diameter or washer diameter.
6. No body bolt may extend below frame, all bolts and nuts must be inside of frame.
7. Do not paint, undercoat or cover the frame in anyway.

Radiators & Radiator supports:

- 1- Radiators must stay in the stock position. (No added water capacity).
Lower Radiator support body mount bushings may be removed and replaced with Max. 3/4" bolt and may not go up through your hood.

Transmission coolers:

- 1- Transmission coolers will be allowed.
- 2- Metal or steel braided line must be used. Rubber lines must be double clamped and minimal inside the car. No fuel or low pressure line may be used.
- 3- Transmission Condenser must be enclosed or covered.
- 4- Overall safety will be determined by officials at time of inspection.

Fuel Tanks:

- 1- Original gas tanks must be removed from the car.
- 2- You must have gas tank securely mounted inside the car, behind the driver's seat and covered. Your fuel line may only be ran inside of the car and may not go down through the floor and along the frame rail.
- 3- A maximum size of 6.5 gallons can be used: A marine type tank and/or fuel cell must be used.
Overall safety will be determined by officials at time of inspection.

Electrical:

Steering wheel lock must be removed

- 2- **A MASTER ON/OFF SWITCH BE MOUNTED ON THE ROLL BAR DIRECTLY BEHIND THE DRIVERS SEAT, THAT IS ACCESSIBLE FROM THE OUTSIDE. THIS SWITCH MUST SHUT OFF ALL ELECTRICAL ITEMS.**

Battery:

- 1- Maximum of one (1) 12-volt battery of any size may be used.
- 2- The battery must be securely mounted inside the car in front of the passenger seat and covered.
Officials will determine safety at time of inspection.

Air Cleaners:

- 1- You must have an air cleaner over the carburetor at all times during the event.
- 2- No starting fluid will be allowed.
- 3- There must be two (2) eight (8) inch openings cut in hood in case of a fire. Holes may not be over carburetor or air cleaner.

Suspension:

- 1- Suspension must be Original Factory for that make and model of car. (No pulling shocks and putting pipes in their place).
- 2- No other means other than tires and coil spring spacers may be used to raise the car's front suspension. Both ends of car must have a working suspension and bounce freely.
- 3- No adding reinforcements to the suspension or steering parts. Steering wheel to control box can be modified only.
- 4- No putting leaf springs on top of the axle.
- 5- You may not clamp the shocks. No solid suspension.

- 6- You are allowed nine- (9) leaf's maximum and have factory spacing. You may not use leaf spring clamps/shackles, No welding. Springs must be of passenger car origin. NO TRUCK LEAF SPRINGS ALLOWED.
- 7- Suspension must work. Air shocks lines must be cut.