

# **2010 DEMOLITION DERBY RULES**

## **UMS MOTOR SPORTS, INC.**

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For Off-Road Derby rules and schedule and Figure Eight rules and schedule please visit the website or call.

### **DEMOLITION DERBY RULES**

**Each driver & mechanic has an obligation to read these rules.**

At time of registration all drivers and pit personnel must sign a waiver and release of liability and indemnity agreement. These rules will govern all Unique Motor Sports events. All participants must comply with these rules and regulations, it is furthermore agreed that all entries, pit crew, driver, owner, sponsors, safety personnel, and law enforcement will comply with these rules. No expressed or implied warranties of any kind. This is a guide set forth for the conduct of the sport and no way a guarantee against injury or death to the spectator, participant or official.

This year UMS will have several different types of shows. Stock derby show, '78 and newer only show and mixed '78 and newer and old iron no Imperials no leafed wagon shows, compact derby heats and truck heats. Watch schedule for what type of event will be held.

#### **End of Season Championship Information:**

\*Allegan County Fairgrounds, Saturday, September 19, 2010, '78 and newer only.

\*Car and Truck Championship.

\*Also, a heat for drivers that don't want to compete for championship.

#### **IMPORTANT NEW RULES:**

**These are not suggestions, nor is this a menu. This is what is allowed for preparation of the car. Please do not try to read anything else into these rules. "This is what you are allowed to do to prepare your car."**

1. This is not a team event. Team driving will not be tolerated. THIS IS YOUR WARNING.
2. The tail light panel must remain verticle in all classes.
3. Relocation of the package tray is not allowed. It must remain in stock location, no relocation of any sheet metal or components.
4. No doubling of body panels allowed.
5. You may remove the aluminum engine crossmember from the newer Fords and replace it with an older Ford engine crossmember in the stock location, one pass of weld, 1/4" max, no added metal braces or gussets. Officials decision is final.
6. Core support bolts may be up to 1" in diamater allrod. Core support bolts may go through the hood and count as 2 of your 6 hold down spots.
7. You may no longer bolt the body directly to the frame. Space must be maintained between the body and the frame minimum 3/4". You may not weld body mount spacers to frame or body they must be free floating. Body mount spacers can be no more than 3" round.

8. YOU MAY PITCH, TILT, TIP THE FORDS IN THE FOLLOWING WAY:

You can cut flaps on front outside of the frame to pitch the frame, but pitch can be no more than 1/2" and no other metal or gussets can be added. Nothing is to be welded on the side of the spring bucket behind the ball joint. You may have a 5 inch long piece of angel welded to frame to set the crossmember on if you like. Do not reweld any of the crush box seams.

9. Sedans only, are allowed a gas tank protector, no wider than 24 inches, may rest against back seat panel but may not be attached. May NOT run straight back to frame humps, must angle in from back seat pipe. IT MAY RUN STRAIGHT BACK, BUT ONLY IN THE CENTER OF THE CAR.

10. AFTERMARKET ENGINE CRADLES ARE ALLOWED. PULLEY PROTECTORS ARE ALLOWED. THESE MUST BE SEPARATE ITEMS. ATTACHING ALL OF THE COMPONENTS TO CREATE A COMPLETE ENGINE PROTECTOR SYSTEM IS NOT ALLOWED.

IF YOU USE A FRONT MOTOR PLATE, IT MAY NOT BE GUSSETED TO THE HEADER FLANGES OR ATTACHED IN ANY OTHER MANNER.

THE DISTRIBUTOR PROTECTOR IS AND MUST REMAIN A SEPARATE ITEM, NOT CONNECTED TO ANY OTHER COMPONENT IN ANY MANNER.

11. Rear end braces are allowed. BUT they cannot be used for any other purpose than to strengthen the rear end. No additional attachments may be used. Officials decision is final

Watts-Link conversions for Crown Vics is and other Ford Products:

12. You may convert a Watts Link Ford to a standard GM rear end in the following way... Use the trailing arm brackets off an older Ford or metal of the same size and thickness. No shortening of the trailing arms, no positioning of the brackets to strengthen the front downleg of the rear hump. You may cut out the coil spring frame tray from an earlier year Ford and weld it in the newer Ford. One pass only, 1/4" maximum. No stronger than stock.

13. You are allowed a 1/4 inch thick by 22 inch long hump plate, contoured to the hump, centered and welded with one pass of 1/4 weld. This plate must be welded to the outside only, match the factory hump and not span the center of the hump. Do not weld any seams in the rear of the factory hump and not weld any seams on the rear of the car. **This is for '78 and newer only.**

14. No truck shocks, no exotic shocks, no mystery shocks and no oversize shocks. OEM shocks only.

15. Old iron rules are the same as '78 and newer with the following exceptions:

No hump plates, no frame seam welds, no wagons and no Imperials and no up and over rollbar except for non-post cars, and no angle iron on core support.

**Driver Rules: All Work Must Be Done Before Entering The Pits!!**

1. Pre-entry is \$25.00, \$40.00 day of show; **ENTRY INCLUDES THE CAR AND DRIVER ONLY.** Officials reserve the right to reject or accept any and all registrations. Pit passes will be \$15.00 per person. Anyone under the age of 16 must have a parent signed waiver form.

2. Only drivers and pit persons who sign a release form will be permitted in pit area.

3. Any driver/pit crew not obeying the rules will be disqualified. The driver is responsible for the actions of his/her pit crew in all respects. Unsportsmanlike conduct will result in disqualification.

4. Driver must wear long sleeve shirt, long pants and closed toe shoes – fire suit is recommended. Safety belts and Z-90 approved full face helmet, with chinstrap and eye protection are required.

5. **ABSOLUTELY NO ALCOHOL ON GROUNDS.** Anyone under the influence of intoxicating beverages or drugs prior to or during the race disqualifies the car and crew of the offending party.
6. NO hot rodding in pit area, no passengers riding on vehicle.
7. **THERE WILL BE NO BUDDY SYSTEM OR SANDBAGGING. HITS MUST BE AGGRESSIVE.** No two way communication of any kind allowed.
8. All cars must be removed from the fairgrounds the day of the event. (NO EXCEPTIONS)
9. The fair association and UMS will not be held responsible for personal property at any time.
10. At any time during the event if any official rules a car unsafe it will be disqualified.
11. If a vehicle is found illegal there will be no refund of the entry fee or pit passes.
12. Drivers must attend the drivers meeting held approximately ½ hour before race time.
13. All injuries must be reported before you leave the derby area.
14. No tire restrictions. Any rubber tire. **NO STEEL OR STUDED TIRES.** Exceptions: No bead locks and no split rims. 14" minimum tire.
15. Foam filled, doubled, or stuffed tires are permitted.
16. Valve stem protectors are allowed. If UMS official deems protectors unsafe, it must be removed.
17. Any stock or aftermarket driveshaft is permitted. No exposed universal joints – must be covered.
18. We will allow a rollover bar to be attached to halo cage. It may be bolted to the roof of the car. This bar may run on the inside or outside of roof. These bars may be welded to floor sheet metal but not to the frame of the vehicle. **ROLLOVER BARS NOT TO EXCEED 5 INCHES IN DIAMETER, may not be at an angle must be straight up and down.**
19. Trunks may be tucked and pushed up to speaker deck and welded. You may bolt or weld tucked trunk to trunk floor pan. **YOU MAY ONLY TUCK 50% OF THE TRUNK. QUARTERS MUST STILL REMAIN IN THE UPRIGHT POSITION.**
20. **On pre-run cars you can only smash trunk enough for vision ONLY.** If you flatten the trunk you will not run.
21. You may reinforce top of the core support with a piece of 3" x 3" angle iron 3/8" thick max. and no longer than the length of the radiator you use. This may be welded or bolted to stock core support
22. All glass must be removed. A bar, chain or leaf spring must be placed in the middle of the windshield between the roof and cowl. All door handles must be removed as well. Vehicle must be swept clean, no junk parts or broken glass. Must remove bumper horns.
23. Stock fuel tank must be removed and auxiliary tank must be securely fastened behind the front seat and in front of the rear axle. Tank must be of steel construction. **NO PLASTIC TANKS.** (10 gallon max.)
24. Any leakage of fuel will lead to immediate disqualification.
25. **FIRE SHIELD MUST BE PLACED BETWEEN DRIVER AND TANK,** example is a rubber floor mat. **ALL FUEL LINES AND FITTINGS NEED TO BE SAFE AND SECURE. (NO EXCEPTIONS)**

26. Exhaust pipes must exit straight up or straight down, NO tall pipes.
27. For drivers safety you MAY have a halo cage (consisting of 1 cowl bar, 1 bar running down inside driver's side door, 1 bar running down inside passenger's side door and 1 bar behind seat – no farther back than 6 inches behind the seat, only legs that may go to floor will be that of the rollover bar. You may attach bars to inside body sheet metal. Gas tank may be mounted to halo cage. Gas tank protector can go back to rear fire wall sheet metal but cannot be welded or bolted to rear fire wall sheet metal. Gas tank protector may be no wider than tank or cannot exceed 26 inches in width. If UMS official feels that cage is too excessive you will have to cut it. **5 INCH PIPE OR SQUARE TUBING MAX.**
28. Hood must be chained closed with a chain or wire in 4 different places on hood and 2 places for hood to bumper – 6 Maximum. Trunk may be welded. Must have hole in trunk lid for inspection.
29. You may weld trunk seams completely. You may have two (2) ¼" x 4" x 16" straps welded from trunk to bumper.
30. Cutting fenders and bumpers is permissible; radiator must be in stock position. No anti-freeze.
31. Batteries must be securely fastened. Must be covered by a shield.
32. All chrome stripping must be removed. Inside driver's door recommended to be padded.
33. Large readable numbers on car. Numbers are on a first come first serve basis.
34. No blocked shocks, suspension must move freely (spring helpers – ok). Cars must have brakes.
35. There must be a 12" opening in the hood. Engine mounts chained or welded.
36. Fire extinguishers are recommended and may be mounted in the car.
37. Bumpers – Front and back – weld, chain and wire them. You may interchange any stock auto bumpers. You may weld length of GM shock tube back on frame. Absolutely no welding of inside body seams.
38. All doors must be chained, wired, welded (**outside seams only**) or bolted shut. You may reinforce driver's door with plate, pipe or angle iron – not to exceed 3" past each end of door.
39. You may weld the A arm forward - top frames seams only - ½" wide. No other frames seams may be welded
40. Reinforcement of trailing arms and tie rods is allowed but must conform to stock equipment.
41. We will allow you to pre-bend the frame by notching or heating the frame. We will allow you to weld the frame where you notched it, if you excessively over weld this area, or put anything in the frame rail, we will have you cut it out. Questions on this – CALL. If doing this on a fresh car maximum bumper height from top of bumper to level ground cannot exceed 31".
42. Body mount bolts may be replaced but must be no larger than 1". 3" washer max. Bolts may go through 1 frame thickness only and may go through body sheet metal. You may add one additional body mount bolt to each side of frame rail in any location that you want; this must be painted so that UMS may identify it.
43. Hood must stay on car at all times. Must remove original gas cap door.
44. You may run electric fan or solid mount fan.
45. Firewalls to have all holes covered with a non-flammable material. **NO EXCESSIVE FIREWALL REMOVAL.** You may have a floor shifter and distributor protector – distributor protector must be attached to engine block ONLY and may not be attached to cowl bar.

46. Transmission coolers may be in driver's compartment but must have safe and secure lines.
47. No fresh paint or undercoating on any frame. No Sedagons. Any 5 bolt rear end may be used.
48. We will allow you to fix rust hole on front of Ford frames, this is what we want you to use – 2" x 2" x 7/16" thick x 2" long angle iron – no more, no less. Do not add this to a rust free frame.
49. No welding of any kind to any vehicle once it has been inspected.
50. No plating of fresh car frames. Pre-run cars that frames are bent may be plated with ¼" x 3" x 3" maximum plate. If doing so, call first for specific instructions.
51. No protest of any kind about a car will be allowed once the driver's meeting has taken place. Failure to speak up at the driver's meeting will forfeit any protest once driver's meeting is over.
52. These rules supersede any and all rules previously used. Rules subject to change without notice. THE DECISION OF THE JUDGES WILL BE FINAL.
53. We specify where you can or cannot weld in these rules if it doesn't say you can, DON'T DO IT.
54. Rule infractions and/or event infractions may result in fines.
55. You must run one (1) show or be invited to run Championship.

**Awards & Prize money will be given out at each show.**

**Compact Derby Rules: (Must have at least 6 compact cars at show to run a heat)**

1. 4 – 6 cylinder engine only. 111" wheelbase maximum. Unibody cars only (no framed cars).
2. Engine swaps okay.
3. You may interchange any stock automotive bumper.
4. If gas tank is completely in front of rear axle it may remain in stock position.
5. All other Unique Motor Sports Demolition Derby rules apply.

**Truck Rules: (Truck payout determined by number of participants – except for Championship)**

1. Any ½ ton, ¾ ton truck or Suburban or van; 4-wheel drives allowed with front driveshaft removed. **NO 1 TONS.**
2. No tire restriction.
3. May weld body seams.
4. May weld cab to bed of truck.
5. May remove body mount rubbers.
6. Roll cage okay to frame. If no cage, strongly recommend driver's door protection.
7. You may add up to 8 additional bolts to hold down bed of truck.
8. Maximum 6" washer or 4" cut leaf spring.

9. You may use one piece of all rod on either side of frame this must go up through core support through hood .
10. Gas tank must be mounted 3" from front of bed in center of bed.
11. Gas tank must be covered or enclosed in steel.
12. You may have up to 4 leaf spring clamps per side.
13. No trailer hitches, no special reinforcements.
14. It is recommended to place strong mesh or wire behind driver's seat where window used to be.
15. May weld tailgate.
16. All other Unique Motor Sports Demolition Derby rules apply.

**\*\* YOU MAY MAKE COPIES OF THESE RULES AND REGISTRATION \*\***