



# UNIQUE MOTOR SPORTS, INC.

## USA DEMOLITION DERBIES AND FIGURE 8

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### UMS MOTORSWAP RWD DERBY RULES

- **If it doesn't say you can do it, don't assume that you can. ASK first or don't do it!**
- **ALL JUDGES DECISIONS ARE FINAL**
- You cannot use as a kicker to a drive line component.
- You MUST make an aggressive hit EVERY 40 seconds. If we have to stop the show to
- remind you of this responsibility as a driver you will automatically be knocked down to
- only 20 seconds.
- No bumper shocks in the front of 03 & Newer.
- 5} major infraction limit: you go over you get loaded!!!! Here is your warning.
- Fresh cars are allowed 4 – 4"x6"x ¼" SQUARE FIX PLATES .ON PRE RANS YOU ARE
- ALLOWED TOTAL OF 6 MAX. 03 AND UP FORD MOTOR COMPANY CARS ARE NOT
- ALLOWED FRESH FIX PLATES.
- If weld is found excessive you will remove weld and frame behind it.
- Cannot use as a kicker to a drive line component.
- Cannot cut patches and spread them open.
- Weld and patch should not be bigger than a 5"x7" area.

YOU CAN TILT FORDS AT THE BOXES BY CUTTING FLAP WHEN WELDING FLAP BACK NO MORE THEN HALF INCH BEAD OF WELD

#### GENERAL CAR PREP

1. Passenger car or station wagon only. No trucks, jeeps, Hearses, Limousines, sub or full frame Imperials.
2. Fresh "Sedagons" are NOT allowed.
3. All glass, side windows, rear windows, headlights and taillights, must be removed before reaching the track. Rolling down windows is not permitted.
4. Rear seat of sedan must be removed- top and bottom. On station wagons all seats and decking must be removed. Station wagons must be emptied to the floorboards.
5. Cars must have a seatbelt and working brakes. MANDATORY!

6. Battery may be moved but must be securely fastened and covered in passenger compartment.
7. TWO BATTERIES ARE ALLOWED MOUNTED TO THE CAGE OR FLOOR. \*IF MOUNTED TO THE CAGE, IT MUST FOLLOW CAGE GUIDELINES.

## **DRIVERS SAFETY**

1. Front Windshield Bars are MANDATORY no bigger than 2" material. Attachment points 6"x 2" max. Top & bottom must start at the edge of the window opening with no more than two bars vertically. May have a connecting cross bar.
2. Drivers' door can be welded solid.
3. Fire jackets are strongly recommended.

**DRIVER DOOR PADDING IS STRONGLY RECOMMENDED.**

## **GAS TANKS AND FUEL PUMPS**

1. Stock gas tank MUST be removed from original position and mounted in the rear seat area and secured.
2. All tanks must be steel or aluminum and have a secure cap. A marine tank or fuel cell is strongly recommended. All lines and fittings must be leak proof and meet approval of the track officials.
3. Electric fuel pumps are allowed. Must be covered with nonflammable material.
4. All lines must be ran inside the car, not along the frame underneath.
5. Gas tank protectors: 36" wide max. No higher than 4" above the tank. 4" o the floor if mounted to the cage. The 4" o the floor will be measured on the sides not the middle. MUST BE A 4" GAP BETWEEN GAS TANK MOUNT and or GAS TANK AND PACKAGE TRAY.
6. Gas tank mount may have a halo behind the tank no higher than 4" above the tank. Halo must be vertically straight (up and down). Meaning a 90-degree angle.

## **RADIATOR AND CORE SUPPORT**

1. Radiator must be in stock position.
2. Any automotive type radiator can be used. Aluminum Radiators are LEGAL.
3. No homemade radiators allowed.
4. No reserve tanks and no added cooling capacity.
5. An electric fan mounted to the radiator may be used.
6. DO NOT MOVE CORE SUPPORT.
7. Copper or aluminum condenser (2" thick, 20" tall, by 36" wide max) or expanded metal 1/8" thick, 20" tall, and 36" wide only can be bolted to the front of the core support with (6) - 3/8" bolts.
8. Core support spacer MAY be welded 3x3 max O.D.tube.
9. Core support (5/8 threaded rod max)
10. You may shorten the bottom of your core support. No added metal.

11. (2) 6"x3" x 1/8" flat strap with (4) pieces of 3/8" threaded rod to hold radiator in. Bolted or welded to the core support.

## **BODY**

1. Must have stock body mounts. (Do not even touch them!)
2. Core support (5/8" threaded rod max.)
3. No body seams may be welded. No metal may be added or creased.
4. No doubling of body panels allowed. No added metal allowed.
5. Doors may be chained or wired. If welded- 12" total per seam 3"x1/8" flat strap; only VERTICAL seams; and must run with door seam. Nothing on top or bottom seams.
6. If you use wire or chain, you get (6) places per vertical seam. It counts as 2" per place.
7. Gas tank door maybe welded with (4) 1" welds.
8. Drivers' door may have a plate on the outside of the center of the door. 12" tall doorseam to door seam 1/4" thick.

## **HOODS**

### **MUST BE OPEN AT INSPECTION!**

1. Hoods must have two (2) holes, at least four (4) inches in diameter on each side of the carburetor. If the hood is removed, either the fan or fan belt must be removed.
2. Hoods may be secured by 2 pieces of all thread outboard the radiator. Cannot be sleeved.  
\*Meaning spacer/square tube stops at bottom side of core support\*  
\*May fold hood openings to help hold the hood together\*.
3. 2 pieces - 5/8 threaded rod. 4x4 max od washers.
4. (4) LOCATIONS of #9 wire, 5/16 chain or angle 2x2x2 inches long weld to top of the hood and fender with a 1/2" bolt per location. (Only if your hood is aluminum, you can weld the angle to the fender under the hood and bolt through your hood.)
5. You are allowed (2) locations of #9 wire from bumper to core support.
6. You may have a total of (10) 3/8" bolts to hold your hood cutout together where you cut for your headers.

## **TRUNK**

1. You may choose ONE of the following options for your (8) attachment points
  - a. 8) attachment point places of #9 wire to sheet metal only.
  - b. (8) 3/8 bolts and washers through the rain channel.
  - c. (8) places of angle iron (attachment points) 2" long welded to the trunk and quarters. Bolted together with (1) 1/2" bolt per attachment point.
2. You may weld washers 2-1/2 O.D. Max to the sheet metal only for your #9. Do Not weld washers over seam on the trunk lid or weld the washers for your 3/8 bolts.
3. (2) locations of 5/8 threaded rod welded to the side of the frame 4" on each side- (1) 4x4 washer OD & (1) nut per threaded rod.
4. (2) of your places of #9 may go to frame or bumper.

5. You may have a single 90 degree bend any way in your trunk lid.
6. Trunk lid must be open. Will not inspect car without them open.
7. NO creasing of the quarter or fenders.
8. If you do not run a speaker deck, you cannot attach the front of your trunk lid to the floor.

## **SAFETY CAGES**

1. All cars must have a safety cage and roll over bar.
2. A 4-point cage is required. Your cage will and must have a dash bar that must be 4" from the firewall.
3. Your cage must have a bar behind the driver's seat.
4. You must have (2) side bars 1 per side and they cannot be longer than 60" . 4"away from the wheel tub.
5. Roll over bar cannot be more than 8" behind the top of the head rest. Roll over bar cannot attach to frame. Weld or Bolt it to sheet metal only.
6. A 6" x 6" plate may be used in aiding it to be attached to floor sheet metal. Roll over bar can be bolted to the roof.
7. No more than (2) 6" extensions o the rollover bar max. May only bolt to the roof sheet metal.
8. The cage can be welded to sheet metal only.
9. (4) down posts two (2) per side. Roll over bar counts as 2 if ran to the floor.
10. Max size of 6 inch tube. 6"x6" is MAX.
11. All down tubes must be at or behind the dash bar, straight up and down and above the side rail. Welded to sheet metal only. Must be a minimal of 4" away from the wheel tub.
12. Gas tank protectors 36" wide max. No higher than 4" above the tank. 4" off the floor if mounted to the cage. MUST BE A 4" GAP BETWEEN GAS TANK MOUNT and or GAS TANK AND PACKAGE TRAY.
13. Gas tank mount may have a halo behind the tank no higher than 4" above the tank vertically.
14. You may have a door plate from cage to floor/rocker sheet metal on the driver side only. Inside door seam to inside door seam.

## **FRAMES/SUSPENSION**

1. Spring spacers are allowed but nothing metal allowed above top of spring, may kick or change coil springs. Must be factory passenger car springs only.
2. Tie rods must be OEM with factory ends. May weld the factory sleeves. No visible added metal.
3. Factory spindle swaps are ok- Ford to Chevy, etc..
4. You may use replacement ball joints with new stock ones. No Aftermarket. No welding.
5. You may have (4) ¼ tack welds on the lower ball joints only. If you abuse this, you will remove all the weld completely.
6. You may change A-arms from new style to old style A-arms. Must bolt on- No welding. You can weld your A- arms DOWN WITH 2- 2" BY 2" . BY 1/4 INCH STRAPS PER A ARM

7. NO all-thread shocks.
8. 03+ you may extend the top or bottom of your strut for ride height. Bolt on only.
9. No welding, plating, or reinforcing of the frame or suspension.
10. All factory frame holes must be left open.
11. Any reinforcing of frame found will result in disqualification. NO fixing allowed...YOU WILL BE LOADED!
12. Sub frame cars cannot be tied together. If you want to run a full frame car, buy a full frame car, don't build one.
13. CORE SUPPORT AND CORE SUPPORT MOUNT MUST REMAIN IN FACTORY LOCATION. You may shorten front frame up to an inch to square the frame to mount your bumper.
14. You may shorten the front frame rails on Lincoln or Mercury up to ½" in front of the weld on the side of the of the core support mount.
15. Aftermarket steering columns are ok.
16. Rear frame rails may not be shortened.
17. You may use 3/8 chain or wire from your axle to the frame hump. ONE PLACE PER SIDE. NO WELDING.
18. NO frame shaping. May only dimple rear rails to aid in getting the rails to role/bend top only.

## **BUMPERS**

1. Any engine or transmission may be used in any car, must be mounted within 6" of the original engine. Engine cannot protrude into the passenger compartment before the race.
2. Lower engine cradle with front plate and pulley protector only ½" max.
3. You may have 2 chains 3/8 max to help hold the engine. may weld one chain link to the engine cradle not the frame rail. 03 and up may weld (1) chain link to the 6"x6" mount. Not the frame rail.
4. Cradle cannot go past the center of the engine on the sides. No higher than the valve covers.
5. OEM engine frame mounts ONLY.
6. No aftermarket mounts. You may fill in or space your engine mounts up o the frame, but plate/spacer must not exceed a 6"x6" area on the engine cradle only. Factory cradle seams must be visible.
7. Transmission oil coolers and engine oil coolers are permitted. They must be secure, contained, and covered inside the car for the driver's protection. May not reinforce car.
8. Factory aluminum engine cradles in 2003 and newer cars may NOT be changed. No homemade cradles. Gray area cradles are allowed only if you do not run an engine cradle on your engine.
9. 03+ you may fabricate a 6"x6" mounting pad to attach your stock mounts to must stay within a 6x6 area on the aluminum only. you may bolt through the alum. Or wrap around the aluminum.
10. If you use the 4x4x1/4 patch plate to attach your frame mount, the frame rail it must be done last. Cannot weld anything to your patch plates.
11. HOMEMADE gas pedals and shifters are allowed but may not reinforce the car in any way.

12. OEM crossmember OR 2"x2" a straight piece of square tube not solid.
13. May weld a piece of 3"x3"x6" angle to frame to aid in attaching crossmember only. Abuse this and you will cut. Your whole crossmember must be on the angle.
14. YOU CAN RUN A STEEL OR ALUMINUM ALTRA BELL
15. No transmission protectors.

## **REAR END**

1. Any rear end allowed. If your rear end has a brace it must be 5" away from the frame.
2. Slider drive shaft is permitted.
3. You may have (5) places per side of #9 wire for leaf spring clamps (2) wraps per place.
4. Any OEM factory trailing arms only to mount rear end YOUR ALLOWED TO DOUBLE FACTORY TRAILING ARMS no welding OR BOLTING OF TRAILING ARMS.
5. Watts conversions ARE ALLOWED IF YOU CHOSE THIS METHOD YOU CAN USE A TOTAL OF 2 HALF INCH STORE BOUGHT WASHERS FOR THE UPPER BOLT HOLE THESE CAN BE WELDED IN PLACE.
6. You may use 3/8 chain or wire from your axle around the frame / hump. ONE PLACE PER SIDE. NO WELDING.

## **TIRES**

1. Any Tires and wheel combo must have a tire- cannot run just a rim. With the exception of NO split rims or studded tires.

## **EVERYONE NEEDS TO READ AND RE-READ THESE RULES**

If you are found to be over built for these rules, you will be give 2 options:

1. CUT OR REMOVE ILLEGAL PARTS
2. LOAD ON YOUR TRAILER AND GO HOME

Either way, you will NOT RECEIVE A REFUND

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND OR REGULATIONS. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.

The race director shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in his/her opinion.

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