

DDOT 2010

MIDWEST LIMITED WELD DEMO CAR RULES

INCLUDES: OLD IRON -- 80'S & NEWER -- COMPACTS

GENERAL RULES

The general rules apply to each driver and pit personnel. **DRIVERS' ARE EXPECTED TO KNOW THE RULES AND OBEY THEM.** The rules set forth have been designed to provide orderly conduct of the sport and are in no way a guarantee against injury, death, or theft to a participant, spectator, or official. These rules shall govern the condition of all events; and by participation in these events, all participants shall be expected to comply with these rules.

Absolutely No alcohol in the pit area before or during event. No fighting allowed. Officials' will not tolerate any profane language/gestures before, during or after the event. No hot-rodding or speeding in the pit area. If a car does not run a heat, that car does not run a consolation heat. The driver/owner is responsible for his/her pit crew and their conduct and safety. All driver's and at least one crewmember must attend the driver's meeting. Any of the above violations subject the car that he/she is associated with to disqualification and asked to depart from the pit area immediately and may be rejected from other events. **NO REFUNDS** will be given for any reason.

\$150.00 CASH PROTEST FEE for any feature driver who wants to protest a car who has placed ahead of him/her. The protester must express reasonable complaint of the car he/she is protesting. The money will go to whoever wins the protest. Officials will not cut a car apart but may cut an inspection hole in the protested area if necessary. If any violations of the rules are found, the car will be disqualified and forfeit all prize money. **OFFICIALS WILL RESOLVE ANY AND ALL DISAGREEMENTS. ALL DECISIONS BY THE OFFICIALS WILL BE FINAL. CARS WILL BE RE-INSPECTED BEFORE ANY PRIZE MONEY IS HANDED OUT.**

Ladies may compete with men. Driver's must be 16 or older to drive and must have a valid driver's license. All drivers' and pit crew between the ages of 16 and 18 years of age must have guardian's or parent's signature prior to participation. **NO ONE IN THE PIT AREA UNDER THE AGE OF 16 ALLOWED.** All driver's and pit crew must sign a release of liability.

A stick will be placed on all cars competing, drivers' must break it when finished or told to do so. If driver is bending stick but cannot break it, officials' will break it. The stick may not be put back up after it is broken. If any door becomes open during demo you will be disqualified for your heat, you may fix it, and come back and run a consolation heat.

The derby will be stopped for bumpers or axles in the arena and removed for everyone's safety. All cars not removed after the event will become the property of the promoter.

OFFICIALS RESERVE THE RIGHT TO REFUSE ACCESS TO ANYONE, OR ANY CAR THAT IS UNSAFE TO DRIVE

SAFETY RULES

1. A FIRE COAT, GLOVES, DOT FULL FACED HELMET, EYE PROTECTION, AND LONG PANTS ARE REQUIRED WHILE DRIVING. Driver's must wear seatbelt, full face helmet, keep arms in car, and stay in the car at all times, until a red flag is waved, and all the cars have stopped, or the derby is over. Car must have at least one set of working brakes. **A SNELL 95 HELMET OR BETTER, NECK BRACE, AND FULL FIRE SUIT IS HIGHLY RECOMMENDED.**
2. BATTERY must be removed from stock position and installed inside passenger compartment. It must be bolted securely to the floor tin with bolts, nuts, and washers. The battery must be secured over the top with a metal strap, original gas tank strap, or stronger material. No wire, ratchet straps, bungee cords, or sheet metal screws allowed to secure battery. These are only used to secure the cover over the battery. The battery must be covered with a non-flammable material. Any bolts to secure battery must be 3/8" to 1" and washers 1" to 5"x 5" this also pertains to gas tank, transmission cooler, and driver's seat. All of these maybe welded in also.

3. BRACE BARS must be a 2"- 4" square or round metal bar, 1/8" thick, placed directly behind the driver's seat with a **MINIMUM** of 6"x 6" metal plate. The plate must be at least 1/8" thick and attached to the ends of brace bar and **SECURED TO CAR BY BOLTING, OR WELDING TO THE HEAVIEST PART OF DOORPOST**. Bars maybe in an X and must be no more than 10" behind driver's seat secured to only the body. No brace bars under hood. A dash bar and two bars connecting from dash bar along both inside front doors to bar behind seat may be installed. On drivers side only you may have 2 down bars to the body. A roll loop may be installed behind driver's seat, roll loop must be welded or bolted too the roof and maybe welded too the top of frame. Ignition distributor protectors allowed on engine heads and intake only and must have 12" of clearance too dash bar at start of the event. This protector may not touch the frame, body or brace bars before, during, or after the event.
4. CAR NUMBERS AND SIGN must be placed on the roof of the car No smaller than 15"X 15", and must be able to be read from both sides. The passenger and drivers front doors must have numbers at least 18" tall. Both the sign and the doors must have a light colored background with dark colored numbers for easy visibility.
5. CAR PREPARATION It is mandatory that all glass be removed. Broken glass, dirt, and loose debris must be swept from the car. Do not break the door windows and leave the glass in the door. The rear seats and interior must be removed, plastic bumper covers, head lights, tail lights, tail lenses, all chrome trim, interior and exterior door handles, door lock cylinders, license plate brackets, luggage racks, mud flaps, and trailer hitches must be removed prior to admittance to the race track. You may have a floor shifter and a hand throttle.
6. DRIVING **DO NOT HIT THE DRIVER'S DOOR!!!** Do not use driver's door as a shield. Sometimes these do accidentally occur, but if it looks intentional, or careless, driver will be disqualified. No love taps, no hitting dead cars, or cars with no stick, and no teamwork allowed. All drivers' must hit everyone. There is a 20-second **AGGRESSIVE HIT** rule on all cars and 60 seconds to restart or if hung up. **ANY VIOLATION COULD CAUSE DISQUALIFICATION.**
7. DRIVER'S DOOR Optional, a **MAXIMUM** of 12" wide, and **MAXIMUM** of 1/4" thick plate, 6" past door seam to brace outside of driver's door. The plate **MUST** conform to door and not stick out. No grader blades allowed.
8. FIREWALL Any holes in firewall must be covered with a non-flammable material to prevent competitor from being sprayed by hot oil, or water.
9. GAS TANK The original tank must be removed and a leak proof fuel cell or boat tank must be placed behind the driver's seat or center of back seat. **PLASTIC TANKS MAY BE USED ONLY IF IT IS IN A 1/8" METAL BOX AROUND ALL SIX SIDES WITH A MINIMUM OF TWO 1/2" DRAIN HOLES IN BOTTOM OF BOX FOR PROTECTION.** No 5-gallon gas cans allowed. The tank must be bolted securely to the floor tin with bolts, nuts, and washers. The tank must be secured over top with a chain, original gas tank straps, or stronger material. No bungee cords, ratchet straps, sheet metal screws, or wire allowed to secure gas tank. These are only used to secure the cover over the tank. The gas tank, electric fuel pump, and all fuel lines must be covered with a non-flammable material. Electric fuel pumps must be hooked up to your ignition switch, so when car shuts off the fuel pump turns off. **NO FUEL LINES THROUGH THE BACK SEAT AREA; ALL LINES MUST BE ALONG FRAME RAIL OR INSIDE OF PASSENGER COMPARTMENT OF THE CAR.** Maximum of 6 gallons of fuel. Compact demo class only, may leave the factory gas tank in factory position only if it is in front of the rear axel.
10. TRANSMISSION AND ENGINE OIL COOLERS allowed in passenger compartment only if all exposed lines are covered with a non- flammable material (Including braided lines). Coolers must be securely fastened, and placed in a metal box, or have a shield to protect against ruptures and spraying of hot oil on driver.
11. WINDSHIELD BARS must be welded or bolted on, to protect the driver (3/8" bolts, nuts, and washers **MINIMUM**). Two bars from the top of the windshield to the dash area, one must be in center of windshield and the other between the first bar and the driver's side. Bars must be a **MINIMUM** of 5/8" diameter or strap 1" wide 1/8" thick.

CAR RULES

1. ANY American made sedan or station wagon may compete. No 4x4's, ambulance, hearse, truck, limousine, or foreign cars. No Imperial sub frame under non-Imperial cars. No Imperial Chrysler 1973 and older or Lincoln Continental 1970 and older. Newer model years of Imperials or Lincolns may compete and may change bumpers. A very limited amount of events will allow Imperials and Lincolns, see event schedule for details. 80's and newer class pertains too metric body styles. **Compact class: (AMC Eagles are not allowed** Revised 12-09) Limited to 105" wheelbase for rear wheel drive and 108" for front wheel drives. No V-8 engines in compact class. Call before you build it or bring it if you have any questions.
2. BODY BOLTS may be replaced with up to a 1" bolts. Bolts may extend through body and a washer **MAXIMUM** 5"x 5" 1/4" thick on top and a 3"x 3" 1/4" thick washer may be installed on bottom. Washers must fit inside frame like factory, and may not be used as a gusset. If your car has a factory rubber body mount and hole in the frame, a bolt may be installed through it. No adding any extra body mounts or bolts. Note see rule 8 for front body bolts.
3. BUMPERS are interchangeable with any automotive car bumper in any position. Except, Imperial 73 and older, must have stock bumper, and stock bumper brackets, in stock location front and rear bumpers. All bumper brackets, bumper shocks, bumper shock towers and all bumper seams may be welded. All bumper ends may be trimmed or folded around. **DO NOT ADD ANY METAL TO BUMPER OR BUMPER BRACKETS.** Bumpers may be beat down to main bumper support and welded, bumper shocks may be collapsed. Bumpers may also be welded directly to frame. All bumpers must be stock height, if it looks too high, it is, and it will have to be let down. Rear bumper too tailgate or truck lid may have two 3" wide straps 1/4" thick, welded 5" on body and 5" on bumper, or two 3/8" chains, or two wires 4 loops, use 1 of the 3 methods. Front bumper you may wire in 4 locations, 4 loops of wire or one 3/8" chain in 4 locations from bumper to radiator support. Chains, cables, wires, are not to be on FACE of either bumper.
4. ENGINE and transmission mounts may be welded solid. Engine must be in stock location. You may use engine and transmission of choice. You may weld, chain, wire or cable down engine and transmission as long as it is not strengthening the frame. You may have two 2" wide straps on front of engine from motor head to on top of frame only directly in front of A-frame and two 2" wide strap on rear of engine from motor head to top of frame only and not more than 3" behind A-frame.
5. EXTRA REINFORCEMENTS No wire, sheet metal screws, chains, cables, bolts, added metal, or welding unless specified in rules, before or during the race, unless approved by the officials, or risk disqualification.
6. FENDERS front and rear may be rolled and bolted with a **MAXIMUM** of 12, 3/8" bolts, with 1" washers per fender.
7. FRAME may be repaired if rusted or broken but not reinforced. Metal of 1/8" thickness or less must be used for repair with a 1/2" inspection hole cut to view repaired area. Leave rust or break in frame. Weld 2" past rust or broken area or just weld it back together, use only one method. Patches must only be on one side of frame not both. If patches are excessive in any way, they will be cut at judge's discretion. A 1/2" wide seam may be welded from the control arm/A-frame forward, **TOP AND BOTTOM SEAM ONLY**, with no added metal. **12 inches of seam welding will be allowed behind control arms per frame rail.** Behind the rear axel you may tie the rear frame rails together with 4 loops of wire or one 3/8 cable. This must go around the frame rails only, and no bolting.
8. HOOD 60% must remain in factory position, if there is an overhang on the hood it may be bent down. Hood must be removed for inspection. Hood must be bolted or chained in a **MINIMUM** of 4 locations or **MAXIMUM** of 8 locations. A 5"x 5" 1/2" thick washer, **MAXIMUM**, must be used on top of hood bolts to keep them from pulling through. The bolts must be a **MINIMUM** of 5/8" and a **MAXIMUM** of 1", (Bolts must not be directly in front of radiator), and chains a **MINIMUM** of 1/4" and a **MAXIMUM** of 3/8" thick. The front 2 hood bolts must go through the frame and radiator support and the top 5" maybe welded to radiator support. Chrysler products may run all tread behind radiator support down to top of frame with no added metal. The other hood bolts, must be welded or bolted to car body tin only. Any anchors welded for hood bolts must not exceed 3" in length and mounted under hood to fender, (Example: cars with plastic fender wells). One 12" hole must be cut into hood for fires and **MAXIMUM OF 12 BOLTS** with 1" washers may be added to secure the tin together around hole. All cooling fans must be covered by hood or removed.
9. RADIATOR must remain in stock position. Radiator blow by tubes must be secured and remain pointing down at all times. No extra cooling allowed for radiators. Original or electric fan is okay, ratchet straps may be used to secure radiator. Air conditioner condenser may be only bolted to front of radiator support, with No added metal.

10. REAR END must be factory 5 lug. Use rear end of choice. Rear end housing may be reinforced, and hybrid rear ends allowed. No leaf springs on non leaf spring cars. Leaf springs must be stock, have a 2" stager and No double main leafs. **MAXIMUM** of one extra leaf may be added. A total of 6-spring helper clamps per leaf spring. Clamps must be a **MAXIMUM** of 2" wide, 4" long and ¼" thick. The leaf spring mounts may be welded to the body front and rear. Coil spring cars may wire, chain, cable or weld springs in place and spacers may be added to get stock height. Rear control arms may be reinforced, lengthened, or shortened to achieve driveline angle. Rear end may be tied in 2 locations, chains or cables 3/8 thick or wire 4 loops only. This must be wrapped around frame and rear end only. Welded or posi-track rear end is highly recommended.
11. STEERING tie rod ends must be stock but center section can be reinforced. Steering columns may be welded in and altered to prevent steering loss. All other steering and suspension must remain stock with no reinforcements.
12. TIRES any ply **MAXIMUM** of 15" tire. Solid, tire inside a tire, tubes, valve stem protectors are all okay. No, split rims, paddle rims, reinforced rims, or studded tires. Tires may be screwed to rims. All wheel weights must be removed.
13. TRUNK 60% must be in factory position. The back 40% of trunk may be tucked down inside, No welding or bolting inside. Only two bolts may be installed through the top of trunk lids. Bolts 1" with 5"x 5" washer **MAXIMUM** top and bottom, they may go down through the frame in a body mount hole or wire in 2 locations with 4 loops from trunk lid and may go around the frame only, you cannot do both. No sliding the whole trunk inside of trunk. Trunk may be crushed, but must be able to see inside for inspection. The rear decking cover in station wagons must be removed. No tucking roof on leaf spring wagons. 80's wagons may tuck roof down with 4 bolts, body to body only, not to frame.
14. WELDING and bolting doors, trunk, and tailgate. When welding with metal, it may be No more than 3" wide **MAXIMUM** and 3/16" thick or may be secured with unlimited bolts wire and chain, choose one method. If doors, trunk, and tailgate are not welded, they must be bolted or chained in a **MINIMUM OF 2 LOCATIONS PER DOOR, TRUNK, OR TAILGATE** for safety. You are allowed to bolt all factory body seams together with unlimited 3/8" bolts and 1" washers only. No screws, No bolting trunk lid webbing seams, No bolting Mopar uni-body frame seams and No homemade body seams. Tops of doors may be beat down and welded with No added metal. Rust holes or metal tears in body may be patched. **USE ORIGINAL EQUIPMENT MATERIAL, (NO NEW TIN)** patch 2" past rust or tear when patching one layer of metal. Use only enough metal to patch hole or tear, or just weld it back together, use one method. No interior welding except driver's seat, battery box, gas tank, transmission cooler, and brace bars/roll cage.
15. WINDOW .openings may have 4 loops of wire in 2 locations and may go around the frame. No welding washers on body. You may have 1 strap in each door window opening, and maybe 2" wide and ¼" thick. This strap maybe welded 5" door and 5" on roof. You may install one strap or bar in the center of the back window not to touch the deck lid. You may not use wire if you use straps, use only one method.

REMEMBER IF IT DOESN'T SAY IT CAN BE DONE- THEN NO, CALL FIRST

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