

# DERBYDOG PRODUCTIONS

## PRO STOCK FULL-SIZE

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### QUESTIONS? TEXT:

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These rules are in direct correlation with rules posted & used by Smash-It Demolition Derby to establish a better future of all county fair demolition derbies.

#### General:

• SELECT SHOWS WILL BE OPEN-YEAR CARS. FULL-FRAME IMPERIALS ARE NOT PERMITTED UNLESS SPECIFIED.

• Helmet, seat belt, long sleeves/pant and eye protection must be worn at all times on the track.

• Any questions call first. If it doesn't say you can don't do it.

• Cars must be stock unless started otherwise below.

• ABSOLUTELY No painting of the frames.

• Must have a 12" x 12" roof sign that does not strengthen the car in any way.

• Car must be swept clean of debit & glass before coming to event.

The following must be removed prior to entering the fairgrounds, windows, headlights, taillights, all chrome and mirrors.

• **JUDGES DECISION IS FINAL. All cars are subjected to re-inspection at ANY time.**

IF IT DOESN'T SAY YOU CAN DO IT, THEN DON'T DO IT!

ONLY MODIFICATIONS ALLOWED ON CARS ARE OUTLINED IN THE FOLLOWING RULES.

#### Frame & Bumpers:

1. Trailer hitches and braces must be removed.

2. No frame welding other than what is stated in the rules.

3. You may cut the flaps and tilt the frame in 1 place and in 1 direction. No seam welding on frames permitted.

4. No Shaping or hammering of the frame is permitted. You may crease, notch, or dimple rear 12" of the frame to help car roll.

5. Homemade front bumpers are permitted. If you choose to manufacture a homemade bumper, it must conform to the following size limits. It can be no larger than 8" X 8", The point must taper over an area of at least 32" wide and cannot exceed 12" wide (front to back). The point may only extend out 4" from the flat part of the bumper. If using a factory bumper it may be loaded or stuffed full.
6. You may mount front or rear bumper in 1 of 2 ways.
  - a. 1st being bumper may weld to factory shock in factory location.
  - b. 2nd front frame may be shortened to front edge of body mound and bumper maybe welded directly to the frame. On the back side of bumper where it meets the frame you may use a ¼" 6" X 6" to create a flat mounting surface.
7. Car must set level bumpers cannot be higher than 22" to bottom of bumper or lower than 14" to the bottom part of the frame.
8. You may have a 6" x 20" hump plate this may be straight across or contoured to the frame and must be centered in the hump.

### **Body & Cage:**

1. Doors may be welded 5" on 5" off with no thicker than ¼" 3" X 5" material or can be fastened shut with #9 wire or banding Drivers door may have a door skin no thicker 1/8" and may be welded all the way around.
2. Trunk lid must be from the make of the car and must be a trunk lid (no hoods). You can fold trunk lid over or pushed down, trunk must remain on factory hinges. Quarters must remain in factory position no welding deck lid to trunk floor. Body creasing is ok. Deck lids may be welded with 3" X 5" X ¼" plate 5" on 5" off. Speaker deck must remain intact.
3. Hood can be bolted down in 6 places 4 spots sheet metal to sheet metal and 2 front body mounts that may extend through hood. If using wire, you may use 8 double strands of #9 wire 2 may go around bumper and or frame. Hoods must be open for inspection. (12" x 12" hole over carburetor). You must have a 12" X 12" inspection hole in deck lids.
4. Factory body bolts may be changed to 5/8" bolts there must be a 1 "gap between body and frame you can use steel spacers, hockey pucks, or stack of washers nothing used may be bigger than 3" in diameter. Body washers inside of car can be no bigger than 3" in diameter.

The front 2 body mounts may be 1" and extend up through hood.

5. No seam welding will be permitted on body. Repairing sheet metal is limited to where the battery box and gas tank and driver's area of the floorboards of the car.

6. Front body spacer may be 6" tall maximum and must remain below the core support.

7. You may have a bar in the dash area and a bar behind the seat with bars connecting the dash and rear bar on each side. Side bars must be inside of car not inside of doors. Roll over bar is permitted No down legs permitted. Gussets permitted in corners of cage must be done at corners only. No bigger than 4" in diameter bars no longer than 60" and you can use a 1/4" X 10" X 10" plate to attach bars to the sheet metal. No kickers or down legs permitted. You may have a gas tank protector no wider than 32" may touch the package tray but may not be attached in any way.

8. Dash bar must be 5" from firewall rear bar can be no farther back than where the kick panel meets the seat all bars must be 5" off the transmission tunnel.

9. Original gas tank must be removed and replaced with a boat-type tank or fuel cell. Moved inside of car behind driver's seat but no further back than rear axle. Batteries must be moved to passenger side floorboard and securely fastened these must be covered with A rubber or non-flammable material.

10. You may use expanded metal no thicker than 1/8" or a factory air condenser on core support in front of radiator this may be attached with 4 - 3/8" bolts or 4 - 1" welds

11. You may have 1 front and 1 rear window bar that cannot be any thicker than 3" X 1/4". These may attach to the sheet metal no more than 6" on roof and deck lid.

12. You may have 4 1/2" bolts per wheel well.

### **Suspension**

1. Any Tie Rods may be used. On '03 and newer you must use the factory rack and pinion. **NO MORE 03 NATION SET-UP.** Any rear end permitted if u run a rear end brace it cannot reinforce the frame or be any wider than 10".

2. Watts link conversions on 98 and newer cars are permitted you must use 1/4" X 2" X 2" square tubing or 2" round pipe for rear trailing arms .Upper and lower mounting brackets uppers must be mounted to the package tray and lowers must be mounted on side of frame.

(Cannot be mounted inside or on top or bottom of frame) can be no larger than 7" X 7".

3. You can weld front a-arms down using a 1/4" X 2" X 4" piece of steel front and back side of aarm. No other weld is permitted on a-arm.

4. No spacers or other metal permitted in, on top of, or around coil spring inside of frame on front coil springs.

5. Rear coil springs may be wired or chained. Solid suspensions are ok. All suspension components must remain factory stock no modifications will be permitted. Cars do not have to bounce. Front coil springs must remain stock car coil springs. You may use 1" all thread for shocks no bigger than a 3" washer and it must be standard nuts.

6. Leaf spring cars must remain factory springs. You cannot change coil spring to leaf spring set ups.

7. Any tire may be used.

8. On 03 and newer fords you must use factory aluminum cradle and suspension components you may use 80s style spindles and only 80s style spindles. **You cannot tilt a 03 and newer ford.**

9. No aftermarket spindles allowed. If you use aftermarket ball joints the collar you weld in or bolt in can only be a 1/2" bigger than the ball joint.

10. If you run a sway bar it must be mounted in the factory position the ends can be heated and bolted to the a-arm with no bigger than a 1/2" bolt. Must have a 1" gap from pulley protector.

### **Engine, Transmission & Drivetrain**

1. Any car motor of choice is allowed. Must use frame mounts that have a rubber style bushing like a factory style mount. ZTR or equivalent mount will be permitted. No solid mounts permitted. No chains on engine allowed.

2. Transmission cross member can be a factory one or a 2" X 2" square tubing only must be straight.

3. Angles for cross member can't be longer than 7" and 2" X 2" must be within 12" from factory location.

4. Lower Engine cradles and pulley protectors are permitted.

5. NO Trans braces permitted. Aftermarket bell housings or tail shafts are permitted. Slider

driveshafts are permitted.

**\*\*NO DISTRIBUTOR PROTECTORS OR MID PLATES\*\***

6. Aftermarket gas pedal, brake pedal, steering column, trans cooler are permitted these must not be mounted in a way to strengthen car.

**Pre-Ran Cars**

**-MAXIMUM of 4 total Fixit-Plates. 3"x 3"-1/4". Must have 1" gap between plates.**

**WE HAVE THE RIGHT TO RE-INSPECT, CUT OR DRILL ANY CAR AT ANY TIME**

**IF YOU ARE CAUGHT BREAKING THE RULES YOU WILL FORFEIT ANY AND ALL WINNINGS AND OR PRIZES YOU WERE**

**AWARDED.**

**NO REFUNDS ON ILLEGAL CARS.**