

Hardcore Derby Promotions Full-Size Motor Swap Gladiator Class Rules

General Rules

Any 1980 or newer Automobiles. NO hearse, limousines, special service, El Caminos, cars, or SUV'S, **NO** all-wheel drive or 4-wheel drive or Checker Cabs, select 77 and Newer true metric cars are allowed, (Not sure Call)

- All glass, plastic, pot metal and fiberglass must be removed. Nothing may remain in the bottoms of the trunk and doors; the car must be swept clean of all debris and glass.
- All door handles, mirrors, chrome, moldings, screws, fiberglass, plastic etc. must be removed.
- Rear seats, carpets, door panels headliners must be removed and all decking in station wagons must be removed.
- You must have a functioning seat belt. Make sure it works !!
- Fire Suit and Gloves, Long pants, Long Sleeves, and closed toe shoes are **HIGHLY RECCOMENDED.**
- A Snell Approved Helmet **Highly Recommended.**
- All flammable materials must be removed from the car other than safety padding on the driver's door. DASHES AND WIRING MAY BE LEFT INTACT.
- Air bags must be removed if cars are equipped with them.
- All motor fans must be covered, and an air cleaner is mandatory.

DRIVETRAIN:

(Engine/Transmission/Rearend). swaps are Permitted. you may run a direct bolt on pinion brake. This pinion break may not reinforce the rear end housing in any fashion.

You may run a Watts link kit, but the uppers must be no greater than 8" x 8" and you may only run four 3/8 bolts through the packing tray but not through sheet metal. The lower may be welded to the inside of the frame with a half inch bead of weld and can be a piece of c channel that is 1/4 inch thick and a max of 6" long. You

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may only run four total trailing arms, two uppers and two lowers. These trailing arms must be Ford from the year 1980 or newer. For proper fitting, you may cut lengthen or shorten with a 1 inch overlap. Bolts may be a max of half inch at the rear and ears.

In the lower the bolt can only go through the one side of the frame with a 1/2" bolt, 4 total washers 1 nut per side. Washers may be 1" circumference max.

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- Engines and transmissions must be mounted using factory rubber style automotive engine and transmission mounts. No type of aftermarket engine mounts permitted.
- No full or lower engine cradles, midplates, distributor or transmission protectors allowed. No aftermarket aluminum bell housings. Stock transmission bells only.
- Headers are permitted. Electrical components may be relocated and foamed into place if applicable.
- A factory 5 bolt rearend must be used, rearend may be welded. Do not reinforce rearend housing.
- Stock driveshafts must be used, no slider shafts.
- No aftermarket transmission or engine coolers.

- Factory aluminum engine cradles in 2003 and newer cars may NOT be changed or altered. No homemade cradles.
- 03 newer you may use an SMW engine mount or equivalent 1/4" max bolt in only. **You still must maintain factory style block and frame mounts.**

SUSPENSION

- Must run stock suspension components for make and model for that car. Original A-arms, leaf springs, coil springs, spindles, Spindle Nuts, hubs, ball joints, Tie Rods control arms, shock absorbers no oversized ball joints and struts.
- Front suspension Maybe locked into place with two pieces of 2"x4"x1/4" welded on the upper Aarm to the frame Only.
- **03's Must have the stock rack it came with**, it may not be changed or swapped out.
- Leaf spring cars must have factory/original leaf pack, clamps, and hangers. No upside-down leaves. Must run all factory original steering components. No reinforcing tie rods No aftermarket tie rods.
- You may cut/notch/dimple the rear frame rails.
- Front sway bars must be attached using the factory brackets/mounts. No welding or relocating.
- No excess shortening front frame rails past the front of front body mount hole/ leave a 1" space.

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- **NO** Plating, tilting, cold-bending, seam welding, pinning, adding of metal to any place on or inside of frame.

BODY:

- You May replace 6 body mounts of your choice using a 1/2" bolt and 3" washers. No Other Body Mounts May be Touched. You Made Add 4-inches total of space between the frame and the core support.
- You may add 6, 1/2" max bolts and washers to each wheel well opening to secure wheel lip.
- Doors, trunk, and tailgates must be bolted, chained 3/8" chain, 9 wire two strands or welded shut with a 3"x3"x1/4" plate in 3 spots per seam. Sheet metal to sheet metal, Driver's door may be plated and welded solid, a 3" overlap onto adjacent panels is permitted.
- **Trunk/tailgate / Quarter Panels** must remain in OEM and Upright positioning. No dipping of trunk or speaker deck. Do Not Push Trunk and quarters to the floor at anytime. The truck may be folded in a 90-degree angle, folded section may not be welded or attached to trunk floor in any manner. No creasing allowed on any body panels. No sedagons.
- **Hood** maybe attached in 4 spots, hoods maybe 9 wired 2 strands Max, chained 3/8" max or bolted with 1/2"inch bolts 4 spots A 2" long piece of 2"x2"x1/4" angle iron can be welded to the hood and fenders in 4 spots for bolting purposes.
- A 12" inspection hole must be cut in the trunk deck and hood. 6 - 3/8" bolts are permitted in the hood and trunk deck to bolt the 2 layers back together around holes.
- You may run an aftermarket aluminum radiator. In front of the radiator, you may choose one of the following options:
 - 1. A factory OEM condenser
 - 2. 1/8" max expanded metal with a max width 3" past core support opening
 - 3. 1/8" max cutout plate with max with 3" past core support opening.
 - Choose one option
 - All options require it to either be mounted with (4) 1" welds or (4) 3/8" bolts 1" max washers
- You must have a front window bar, chain, or wire to prevent hood from entering the driver's compartment. Can only be attached to top of fire wall/dash bar and the first 3" of the roof and fire wall. Maximum 2" wide 1/4" thick.
- No rear window bars permitted.

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Cage

- You may have a 4-point cage for safety 2"x 6" or 4"x 4" max 4" long gusset length max. Must be welded securely to sheet metal using a plate no larger than 8"x 8"x 1/4" on the B pillar A halo bar is permitted, may only be attached to the cage and roof in 2 places.
- . Side door bars may extend within 6" of rearmost door seam on two door cars must be 6" from wheel tubs.
- A gas tank protector is permitted, maximum of 32" width. Gas tank protector must be attached to rear cage bar, it must be 5" from anything.

Bolt In Accessories

- Aftermarket shifters, gas pedals, brake pedals and aftermarket steering columns are permitted.
- NO Slider Drive Shafts No Tranny Coolers inside the car.

TIRES & WHEELS

- Any air-filled tire permitted. Doubled tires are allowed.
- Wheel weights must be removed.
- Any OEM wheel, Small multi-lug wheel centers, valve stem protectors and lip guards permitted.
- (max. 1" wide) narrowed wheels are permitted. **No** full wheel centers, bead locks or solid tires permitted.

GAS TANK & BATTERY

- Battery must be relocated into the driver's compartment. Must be securely fastened with bolts 1/2" max **NO** ratchet straps or bungee cords can be used as hold downs. Battery Boxes maybe mounted to cage or floor, may not strengthen car in any way.
- **PLASTIC FUEL TANKS ARE NOT ACCEPTABLE.** All stock gas tanks **MUST** be removed from cars, fuel cells are **Required**. Must be located in the back seat area. All gas tanks must be sealed and vented to the outside. Electric fuel pumps may be used, must have an on & off switch clearly marked on the dash.
- **ALL FUEL TANKS MUST BE SECURELY FASTENED AND HAVE A COVER.**

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BUMPERS

- Any year factory automotive bumper may be used on front & rear. Bumper seams may be welded.
- After market bumpers are permitted. Example a SMW Heavy Front $3/16$ " Or Equivalent
- No Loaded Bumpers Or gusted bumpers No sharp points or jagged edges, No Wedge Bumpers. Or bumpers that turn into a wedge after Impact.
- The center point must be tapered over 32" with a 4" point.
- A straight/flat/hollow piece of tubing maximum dimensions of 2" x 6" or 4"x4" x $1/4$ " thick. You cannot add a point to this unless the tubing is $3/16$ " thick and You must taper you ends back for Safety.
- Bumpers must be open on both ends so we can see inside. No internal gussets are allowed. • No Bumpers Thicker than $3/16$ "
- . Bumper height maximum is 22" max in front and a minimum of 14" rear measured from the bottom of the Rear Frame Rail Rear Frame Raile both PreRan And Fresh Must Maintain a 14" rear Height. Nothing should be below this point.

BUMPER MOUNTING

- **Option 1** Hardnosed. If Hardnosed the internal bumper shock must be removed, A 6"x 6"x $1/4$ ". plate can be welded to the Front-end cap of the frame.
- **Option 2** Bumper may be welded to the factory collapsed bumper shock. Bumper shock cannot be welded to frame.
- Unibody Chryslers can weld the first 2" of the bumper shock to the side of the frame.
- No excessive shortening of the front frame rails past the front of the body mount hole, leave 1" of material in front of body mount hole.

FIX-IT-PLATES

- 4-Fix-it Plates will be allowed on **PRE-RAN cars only**. Fix-It Plates may not be manipulated/cut up or sliced.
- Fix-it Plates are to be no larger than 4"x4"x $1/4$ " square. There must be a 1" gap between fix-it-plate welds.

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- Must be welded on the outside of the frame, NO Fix-it Plates can be internal.

Rust Repair

- Body rust repair must use the same thickness metal 1” overlap on to good steel/sheet metal and must be stitch welded.
- Extreme Body Repair and Frame repair, Rust Repair **You Must Call** for clarification.

RULE DISCLAIMER

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of motorsports 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 does not alter the minimum acceptable requirements. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS. **Any interpretation or deviation of these rules is left to the discretion of the track officials. Their decision is final !!!!! Any Questions**

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