

2019 Hard Core Derby Promotions

Hobby Stock Class Rules

Stock Rules

1980s and newer. No limos or compacts, no hearses, ambulances, etc. that have been frame altered. All cars must remain stock unless otherwise noted. If it is not in the rules, it does not mean you can do it.

Helmets, (Fire suite Top highly recommended) long sleeves, and eye protection must be worn at all times. Seat belts must be fastened. If your helmet comes off you are Out!!!!!! Fire extinguisher is mandatory!!!!!!

Drivers will be given one warning for sandbagging before being disqualified. You must make an aggressive hit every thirty seconds. You will have one minute to restart your car. You are permitted to continue racing if your car catches fire once; however you will be disqualified after the second fire. Do not use your driver's door as a shield. Driver's door hits are NOT permitted. Teamwork is not permitted. You will be given one warning before being disqualified.

Stripping

All outside hardware such as glass, plastic, fiberglass and chrome molding, door handles, mirrors, etc. must be removed prior to arrival. No broken windows in doors. All flammable material must be removed. All airbags must be removed.

No OEM gas tanks; It must be removed.

Suspension

Stock suspension only. No suspension swaps in any manner. No aftermarket tie rods, spindles, ball joints, or homemade fabrication. No coil spring risers or blocks may be used. No stuffing of shocks. Front springs only in front and rear springs only in the rear. Rear springs may be wired or 1 inch hose clamp or 1 inch welds in three places on the bottom of rear spring to be secured. No homemade shocks in the front or rear. Tie rods may not be reinforced, factory tie rods only (inner and outer). No all-thread or homemade shocks. Factory OEM shocks only.

Front suspension may be locked in place with 1 quarter-inch strap, three inches wide, or 1 half-inch rod welded from the lower A frame within four inches of **the lower A-frame bolt** front or rear NOT BOTH. The strap or rod must run vertically within 4 inches of **front lower A-frame** bolt and be welded no more than three inches on the cradle of the frame. Any factory leaf spring cars must have factory leaf springs, clamps, and hardware. The clamps must remain factory. No homemade or bolt on spring clamps. OEM factory stair step of 3 inches must be maintained for the vehicle. No altering, restacking, or adding of leafs. No lengthening of the main or altering of the shackle, .Rear suspension MUST BE A WORKING SUSPENSION!!!!!!

Sway bars may not be altered from OEM shape or size. Sway bars may not be welded to the frame in any way. Sway bars are to be mounted to the frame using OEM brackets and hardware in its factory location. Sway bars must be mounted using the factory orientation. No upside down sway bars

permitted

Rear end

Factory stock five bolt rear ends only. No custom rear ends. No reinforcing the tubes, changing of mounting brackets or angle of mounting brackets. No lengthening or shortening of trailing arms (stock length). No welded-in brackets. No changing of the position or size of bolt holes, or use of oversized bolts or washers. Spider gears may be welded. No oversized or aftermarket axles.

Frame

Factory frames only. No frame swapping, altering, lengthening or shortening. Stubs must be butt-welded. No plates. No seams may be welded (even where the factory missed!). Front frame horn and caps may not be welded. No shaping of front frame horn or dimpling of rear frame hump. No hump plates. No tilting or cold bending. Rear frame section may be cut to bend up, but not pre-bent. No rear frame chain of any kind from side to side. No rewelding front frame caps.

For rust repair, plates may not be longer than 4x4x1/4 inch thick and must be. No angle iron may be used in repair. No frame work is to be done without an OK call first!!!!!!! **8 repair plates max 4 per frame rail and they must be HCDP repair plates!!!!**

Cross members must remain stock. Any OEM factory automotive transmission cross member is allowed. No added metal or altering. 3x3x1/4x6 angle may be welded to the frame for cross member mounting. Cross member must be bolted to the frame plate angle mount. No larger than 3/8 bolts may be used, with two bolts on each side. Cross member must remain within 8 inches of factory location.

Bumpers

Bumpers must remain in the stock location. Front bumpers on the front and rear bumpers on the rear; no fabricated bumpers. No loaded bumpers. Ends of the bumpers must be open. You may **NOT** reinforce or weld. Chrome may not be welded to the backing of bumper. No hard nosing. No pinning or all-thread centering through the shock. No plug welding of the shock to the frame. Front and rear frame shock may be welded to the bumper mounting bracket. No oversizing bolts in bumper shock

Bumper shocks **MAY** be collapsed and welded. 3/8 chain may be wrapped and welded to outer bumper skin with a maximum of two links welded to the frame top and bottom. Bumper chain links may not be welded over the seam. The rear bumper chain may **Not** pass through the body in any manner. It is attached bumper to frame only. Bumper chain links may not be welded from the skin to the frame.

SMITH METAL WORKS MIGHTY MINI BUMPERS “will be permitted” 1/8 material max!!!!!!!
www.smithsmetalworks.info !!!!

Maximum bumper heights must be 20 inches in the front and 18 inches in the rear.

Body

Body sheet metal is to remain in stock position. NO Heavy duty DOOR SKINS **No shaping, forming, or creasing is allowed in any manner.** Trunk lids/tailgates may be welded, wired or banded in **SIX** Places 2x3x1/8 inch plate maximum. The trunk may not overlap the quarter panels. . One fifteen inch inspection hole is required. Hole may be bolted in six places with a maximum of 5/16 sized bolts, 1 inch in length with 1 inch washers.

No metal may be added to the radiator support. The radiator may be strapped in two places, vertically. 1/4 inch all-thread, one inch banding, or three strands of 9 wire may be used. Condensers may be mounted in four places, factory style only with a maximum of four 3/8 inch bolts.

All hoods must have a minimum of two 12x12 inch holes. Holes may be bolted in six places with a maximum of 5/16 sized bolts, 1 inch in length with 1 inch washers. You may use six HALF inch bolts for hood hold-downs. 3X3x1/4 inch maximum dimensions for the hood hold-downs. Hood bolts may pass through core support only; they may not pass through or around the frame. No 1 inch all-thread in the core support. You may add 3x3x3x1/8 angle to the inner fender for hood bolt mounts. No Gussets from core support to fenders as hood bolt hold downs !!!!

The driver's door may be welded solid or plated "highly recommended. Doors may be welded, banded, bolted, or chained shut. If welded it can only have six-2x3. 1/8 inch plate maximum verticle welds. Chain, wire, or banding must not pass through the frame in any location. Maximum strands of wire is three, maximum width of banding must be one inch. Chaining, wiring, and banding must be done sheet metal to sheet meta in **SIX places** Onlyl. No washers welded in for wiring will be permitted.

Firewall and transmission tunnel may not be excessively cut. A maximum of 12x12 inch hole is allowed in the firewall. Front and rear window bars may be made of 2x2 inch square tubing, or chains may be used. No leaf springs. Bars may go a maximum of 2 inches onto the roof, they cannot meet the cage halo.

Body Mounts

BODY MOUNTS. ONLY 6 may be changed with 1/2 inch bolts only. Your 4 back mounts behind the frame humps and the 2 front **ONLY** Body mount rubbers must remain factory. This consists of stock rubbers and stock cones. Body mount rubbers must Maintain a 1 inch space between body and frame. 3X3x1/4 washer top and bottom max!!!Body mount hole may not be moved and washers may not be welded in the hole. No additional body mounts are permitted. A maximum of three inches will be permitted on risers made of 2x2" tubing. . Risers may not be fastened to frame, core support, or body of car in any way. Core support mounts may **NOT** be used as HOOD BOLTS

***** **NO 1 inch all-thread permitted in the core support.**

Cage

You may run one bar behind the seat (from post to post) bar can not go more than half way past back door , one bar for the dash, and one bar for each door connecting the seat and dash bars. 4x4 inch tubing or 4 inch pipe maximum size to be used. 1/4 by 6 inch mounting brackets may be used for dash and seat bar installation door bars may not run into front fender aera past cowl . No down bars connecting the cage to the floor or frame

are permitted in any manner. Door bars may not extend more than 8 inches past the seat bar. No seat belts may be bolted to the floor connecting any part of roof or trunk in any location other than the OEM mounting location for safety only.

A rollover halo bar may be installed for protection. The halo bar must run vertically from the rear seat bar only. The halo bar may be attached to the roof in two places using ½ inch bolts. 4X4 MAX !!!

Gas Tank

Gas tank may be mounted behind the driver's seat or mounted on the rear seat bar. It must be located a minimum of 5 inches from drive shaft tunnel and 8 inches from package tray area. The fuel tank must be securely mounted to the rear bar or floor. No more than 1/8 inch of play will be permitted.

Maximum size for gas tanks protector is 24 inches wide. Gas tanks must be constructed of steel. This includes metal fuel cells, Jerry cans and boat tanks. No plastic tanks or lacquer cans will be permitted (even if you put it in a milk crate!). Fuel line must be securely fastened and clamped so that it may not pull free from the tank. Gas tanks must also be covered with a cover made of non-flammable material. A maximum of 6 gallons of fuel is permitted. Four ½ inch holes must be drilled in the floor underneath the tank if it is mounted on the bar, or around the perimeter of the tank if mounted on the floor.

If you are using an electric fuel pump, you must use high pressure fuel line. A shutoff switch must be located on the dash bar. Shutoff switch must be visibly marked.

Drive train

No high performance engines are permitted. Stock motors only. No slider shafts (stock drive shafts only). Distributor protectors, cradles or pulley protectors are NOT permitted. No engine or transmission coolers are permitted inside the car, but under the hood are permitted. **NO ice BOXES**. Headers are permitted. Aftermarket shifter, gas pedal, and brake pedals are permitted. OEM radiators must be used and placed in the OEM location. Electric fans are permitted. No transmission braces will be permitted. Stock motor and transmission mounts only. Motor chains must be used with a 3/8 inch maximum size. Chain must be bolted to the motor and dropped vertically with no more than two links welded to the frame. Links may not be welded from the frame to the motor. No skid plates. Transmission pan and oil pan may be plated for protection. Plate may not exceed 1 inch beyond the pan. Cars must have working brakes. ALL FAN BLADES must be covered and all air cars must run an air cleaner

Tires and Wheels

Any air filled tire up to a 16 inch. They can not be solid or foam or water filled. Tires may not be studded.

OEM stamped steel wheels only. No solid wheels, bead locks .A simple 8 inch weld in center weld IS permitted. Simple valve stem guards are permitted.

Battery

One 12 volt battery will be permitted. Battery must be bolted to the passenger side floor board NO ratchet straps or bungee cords. A battery box is highly recommended. Battery must be covered with

non-flammable material.

All rules are to the interpretation of the track officials. If you have questions ASK before the derby!!!! If you are willing to weld it, be willing to cut it. If you are found to be overbuilt to these rules you will be given the option to cut or remove illegal parts or load your car and go home.