

KITSAP DESTRUCTION DERBY ASSOCIATION 2024

Mini Van Demo
July 13th 2024

BUILD RULES

\$50 registration fee per driver due by June 20th
lock in your number.

1 st	Place	\$2,000	guaranteed payout
2 nd	Place	\$1,200	guaranteed payout
3 rd	Place	\$750	guaranteed payout

\$500 Mad Dog paid to most aggressive driver.

***Mad Dog** payout requires 12 cars are more.

Article I. Eligible vans

- (a) Any front wheel drive mini-van 4 cylinder or 6 cylinder.

Article II. General Building Rules

Section 2.01 What must be removed:

- (a) All glass, including windshield MUST be removed.
- (b) Flammable materials inside the car must be removed. This includes the carpet, the rear seat, and interior trim. Do not forget the door panels and roof liner.
- (c) All light covers/bulbs, side mirrors, hubcaps, grill, side chrome, plastic, and pot metal must be removed. Side chrome shall mean anything below the window frame. Door handles are allowed as is the rearview mirror.
- (d) All trailer hitches, related brackets, reinforcements, and factory fuel tanks.

Section 2.02 Building, Welding, and Securing

- (a) All doors must be securely fastened by either welding, bolts or chains, no more than 2 points per door, welds may not exceed 6" in length. If the side irons extend the full width of the door, no other method of fastening is required.
- (b) Hoods may be fastened in a maximum of (2) places using one loop of 3/8" link chain per place. Hoods must have (2) non blocked 6" access holes.
- (c) You may secure the factory bumper in (2) places using one loop of 3/8" link chain per place.

Brakes

- (d) All vehicles must have functioning brakes.

Section 2.03 Tires, Wheels, and Steering

- (a) Wheel wells may be trimmed.
- (b) Any Tire and wheel combination except for foam filled tires.

Section 2.04 Sign Boards and Flags

- (a) Car numbers will be painted on the sign board. Numbers shall be at least 18" high and a minimum of 2" thick. Signs need to be in contrasting colors (i.e. black lettering on white background).
- (b) Sign board codes must be a minimum of 4"x4". The codes are:
 - (i) "E" to be used for electric fuel pumps.
 - (ii) "F" to be used for vehicles to be in ONLY the finale
- (c) American Flags may not be flown from your vehicle. You may paint them on.

Section 2.05 Body alterations

- (a) Rear of the vehicle may be pre bent from side to side.
- (b) NO BODY FORMING ALLOWED.
- (c) You may cut, notch or remove any additional parts to the standard prep rules.
- (d) **Front** bumpers may be substituted with 4"x4" box tubing no thicker than 1/8", must remain hollow with ends open, bumper shall not be wider than the vehicle. Bumper shall be fastened using bolts in factory location of previous bumper as close to factory method of attachment as possible. (NO WELDING THE BUMPER TO THE VEHICLE)

Section 2.06 Cooling System/Radiators

- (a) No metal cooling fans are allowed.

Article III. Mid to Rear Vehicle Build Rules

Section 3.01

- (a) A limited capacity of 6 gallon or less metal tank or racing fuel cell is required (***Stock fuel tanks are no longer allowed***) You must solidly mount it in the interior of the car, ahead of the rear axle using a minimum 2" strap or 5/16" chain using 3/8" minimum bolts. The tank must be located at least 12" for big cars from the inner door panels.
- (b) Metal splash shields must be installed between gas tank and drivers and must be securely fastened. One exception: Racing fuel cells do not require additional splash shields.
- (c) Gas lines and fittings must be leak proof. NO EXCEPTIONS. Rubber fuel lines located inside the passenger compartment must run through a second larger hose such as a garden hose.
- (d) Electric Fuel pumps are optional. The device must be easily visible and switch easily identifiable. The letter "E" must be painted on your sign board.
- (e) All batteries must be relocated inside of the vehicle. The battery box must be of metal construction, fully enclosed, securely fastened to the floor (minimum bolt size to the 3/8" with a washer) and securely closed using 5/16" bolts or 2" straps.
- (f) Switches or wires used for powering off the car must be within reach of the driver while harnessed into the seat.
- (g) Modified shifters, pedal assemblies may be used.
- (h) A protective screen of 1/2" wire mesh or smaller must be installed in front of the driver. Vans with a sunroof are allowed with the opening being securely covered.

Section 3.02 Safety Bracing

- (a) A front cross-brace must be installed from window post to window post, above and as close as possible to the steering column (where the dashboard once was). It must be constructed using a minimum of 2" pipe with 1/4" wall and be securely fastened into position. If a 2-piece pipe is used it must be securely fastened so that it cannot collapse.
- (b) A rear cross brace must be installed from door inner skin to door inner skin, as close to the door posts as possible and at least halfway up from the floor. It must be made of a minimum 2" pipe with plates welded on the ends. The cross brace must be bolted with a minimum of two 3/4" bolt or all-thread (curly rod is not acceptable) per side, extending through the side irons. (See diagram), (See Rule 4.03(e)). If the cross brace is collapsed, it must be pinned with a minimum size of 3/4" bolt or all-thread (curly rod is not acceptable) or welded so it cannot rotate. Bracing (side shift bar) is mandatory to run from rear cross brace to the floor or frame area to prevent side shift of cross bar. The side shift bars must be located directly under the cross pin and be firmly attached to vehicle body or frame. The side shift bars must stay in line with the cross pin and may not extend toward the rear of the vehicle in any way.
- (c) All vans must have a minimum of one upright (vertical) post behind the driver's seat, but two is recommended. The upright must be made of a minimum 2" pipe with a 4"x4" plate welded to the top. The upright will extend from the roof to the cross bar or to the floor and must be welded to the crossbar and must be located as close to the seat as is possible. It must be attached with a minimum of two 3/8" bolts on each end. Backing plates (exterior of car) must be used and a maximum of 6"x6" x1/8" thick on both top and bottom (if extending to the floorboards) ends of the upright (see diagram). Note: if using a 2-piece upright, the female end should be above the helmet level, unless the upright is welded or solidly pinned with a 3/4" bolt or all-thread (curly rod is not acceptable) minimum.
- (d) Both front doors must be reinforced with a minimum 8" height, 1/4" thick channel iron. The side iron must not be more than 6'6" and must begin ahead of the front door seam and be not more than 6" in front of the front door hinges. The channel iron must be centered on the door in a horizontal manner. No sloping side irons. The iron must be bolted with a minimum of three bolts or all-thread (curly rod is not acceptable) (3/4" minimum) that extended through the inner panels. Backing plates must be used and must be a minimum of 6"x6" on both front and rear ends of the iron. The front bolt must be located no further back than the front fender/front door seam at least two other bolts must go through the plate connected to the rear cross bar. If the front pin location is not possible due to electrical components, a third bolt must be as far forward as possible. The ends of the side irons must be cut at a 45-degree angle.

Section 3.03 Harness, Seat & Steering Column

- (a) Approved 4-point harnesses are mandatory (lap belt 3" min, shoulder belt min 2"). Lap belts must be mounted to stock mounts or have a 2" minimum flat washer using 3/8" minimum bolts where it is mounted through the sheet metal. The shoulder harness must be firmly attached to a secure area of the vehicle to allow a 45-degree upward slope to the center of the drivers shoulders. At the tech crew's discretion, you may secure the harness to the cross bar.
- (b) The seat may be OEM stock of any make/model car (Honda Prelude/CRX sets not recommended). It is recommended that you place a headrest on the upright behind the seat if the seat was not equipped with a headrest.
- (c) No fiberglass or plastic racing style seats.

IF IT'S NOT IN THE RULES, DO NO DO IT!