

## Mini Van/Truck/SUV ELITE Division

### Building Rules 2024

Sanctioned by D.E.M.O.

[www.demo-motorsports.com/](http://www.demo-motorsports.com/)

#### Competition Format

One shot deal

#### General

No full-size Vans, Trucks, SUV's. All 4x4 vehicles must remove one of the driveshafts. All vehicles must remain as they came; FWD to FWD, RWD to RWD. Cars must have a 12" by 12" roof sign with a clearly visible number from the stands. Vans/Trucks/SUV's must be painted in at least 50% contrasting color.

**There are zero gray areas in these rules. If it does not say you can do it, then it must stay stock.**

Fresh Van/Trucks/SUV's Only

You will be aloud (2) 4x4 inch by ¼" fix it plates prior to the show. Plates may be bent but anything you cut off, you lose and it can not be used anywhere else.

#### Stripping Car

All interior items except dash and necessary items (pedals/seats/shifter etc..) must be removed. All glass must be removed from the car. Air bags must be removed or deactivated. Aftermarket shifters may be used but must hookup to the factory cables. All other factory components unless mentioned must remain operational and in their original location. No spray foam may be used. Wiring harnesses that are in front of the core support may be relocated behind core support. Battery must be relocated inside of the car to the passenger floorboard. Wiring harness may be simplified. Carb conversions will be allowed. A very simple carb protector is allowed. Aftermarket pedals are aloud. Hood/Trunk latch must be removed. Catalytic converter and forward part of exhaust may stay in place. No using seatbelts or wire from roof to body.

#### Hood

Hood must have a 12" hole in the center of hood. The hood and trunk/rear gate must be open for inspection. Hood and trunk/rear gate may be wired shut in 6 spots sheet metal to sheet metal. (2 strands max) You may remove trunk lid completely if you choose.

## **Doors**

Drivers' door plate is mandatory. No other door plating will be permitted. Drivers' door plate must a minimum 1/8" thick and up to 3/4" thick and run the entire door length/width. This may be welded and overlap the door seams up to 2 inches on front fender and rear door.

All other doors must be wired or welded shut in a min/max 8 locations per door. If you are using wire these strands may max 2 loops (these wires must be within 4" of door seams) and if you are using strapping a maximum 3 by 3 inch by 1/8<sup>th</sup> flat plate is permitted to be used. All plates must be on the door seams.

## **Quarter panels/Trunk Lid**

No body creasing of any kind. No cutting, wedging, bending any other sheet metal material. Quarters must remain vertical. Trunk/rear gate may be wired or welded shut in 6 spots only, sheet metal to sheet metal only. If you are using wire these strands may max 2 loops (these wires must be within 4" of trunk/rear gate seam) and if you are using strapping a maximum 3 by 3 inch by 1/8<sup>th</sup> flat plate is permitted to be used. You can NOT go around the frame or bumper. Trunk/rear gate must remain factory to make and model of van/truck/suv; you can, cut it in half or remove it completely.

## **Window Wire**

Front Window - You may use #9 wire in the front window area. (1) spot only. This wire may only go from the roof to cowl in the front window. No thicker than 4 total strands.

## **Bumpers**

Front bumpers may be replaced with any stock (loaded) or aftermarket replacement replica bumper. No Chrysler pointy's will be permitted factory or replica. Square tubing bumpers will also be permitted but can be maximum 2" wide by 6" tall. Tubing is to be no thicker than 1/4 inch thick. Bumper may not exceed past the front tires in width. If a point is added it may not exceed 8" to the point and must span over 30" from the middle of the bumper. (15" both ways) Crush boxes may be removed, and the bumpers may be hardnosed. The core support must stay in factory location and cannot be altered at all. A 5" by 5" by 1/4" mounting plate may be used; this must be flat on the back side of the bumper. This is to give you a flat surface to mount to the frame. This is NOT a frame plate of any sort.

You may add (1) 3" by 6" by 1/4" plate, welded flat on 1 side of the frame only - Per frame rail. This will be measured from the back of the front bumper.

Do not weld bumper or brackets or plates to radiator support.

Rear bumpers may be replaced with any 1980 and newer bumper only to match the vehicles classification.

## **Cage/Gas Tank**

Rear seat bar and roll over bar are mandatory cage components. No other cage component will be permitted besides a gas tank protector and what is defined below. A "simple" 4-point cage consisting of a dash bash, two sidebars, and a rear seat bar. 4" by 4" cage max. The cage must stay within the passenger/driver's compartment. Sheet metal to sheet metal only. The Dash bar must be 4" from the fire wall or tranny tunnel sheet metal. The sidebar can not go further forward than the dash bar or behind the rear seat bar. You may have (2) 10" by 10" mounting pads for this bar. Rear

Seat bar cannot be located any further back than 10 inches behind the B pillar or the rear seam of the door. (right behind seat)

Gas tank protectors, in order to mount gas tank, may not be wider than 24" wide. Must be 4" off floor and 4" from rear package tray. One gusset per corner of cage; must be within 6" of the corner and meet all cage specifications. Anything welded vertical on gas tank protector must run straight up and down no part of the gas tank protector can extend beyond 6 inches above the top of the tank. Roll over bar must be mounted to rear seat bar and run straight up and down. It can not be angled.

Gas tank Protector may not extend past the side passenger doors.

### **Rear Frame/Unibody**

May be notched/dimpled but may not be rewelded.

### **Front/Rear Suspension**

Spring risers may be used. 1 per strut. Vehicle must have suspension bounce. Broken tie rods may be welded but no adding steel or strengthening in any way will be permitted.

### **Gas Tanks**

Gas tank must be moved inside of the car. Tanks must be made of steel/aluminum. Gas tanks must bolt in 4 locations on gas tank protector. Gas tank or protector may not strengthen that car in any way. All hoses must be double clamped at all connections. Electric fuel pumps must be operated by a switch that the driver can shut off in case of a fire. You must paint switch prior to inspection.

### **Tires**

After market tires are allowed. No solid tires permitted on the front. Solid tires are permitted on the rear. Doubling tires are allowed. Rims will be permitted to use small weld in centers, 1 inch rim lip protectors and valve stem protectors only. No bead locks will be permitted.

### **Drivetrain**

Cross breeding of drivelines will not be permitted. The engine must mount with stock mounts in the factory location. Aftermarket radiators will be permitted. For radiator mounting You will be permitted (2) strands of #9 wire or ratchet straps or bolt it back in, in factory fashion using factory components.

Headers are permitted. Headers must point straight up out of the hood. No other modifications other than a general tune up.

### **Rust**

A phone call to the head inspector must be made prior to fixing any rust on body and/or frame. Head inspector will provide direction on how repairs are to be made. The conversation will be documented. No car will be allowed to compete if rust repairs are made without having a pro-active conversation with head inspector. This rule will be strictly enforced.