

# Grand Motor Crash, Inc.

## 2024 MIDSIZE/COMPACTS/MINI VANS CLASS RULES

<b>WHEELBASES:</b>	COMPACT CARS	MAXIMUM OF 100" (4-6 cylinder engines)
	MIDSIZE CARS	Unibody only 101"-112.5"
	MINI VANS	4-6 cylinder engines

**AMATEURS MUST FOLLOW "STOCK" RULES ONLY—NOT THESE!**

**NEW ENTRIES OF FRESH CARS ARE NOT PERMITTED TO RUN IN SATURDAYS EVENT!**

**VEHICLE PREPARATION:** All glass/trim pieces and lights must be removed from the car before it is brought onto the fairgrounds. Glass cannot be rolled down into doors. Remove all flammable cloth/leather/vinyl/carpet/ interior decoration, from vehicle interiors and trunks. A/C coolant must be removed. Stock gasoline tanks must be removed before entering the fairgrounds. No antifreeze allowed. No Wheel Weights allowed. No wood, paper, tires, car parts will be permitted as reinforcements. Concrete is not allowed in any vehicles. Air bags must be removed completely.

**FRAMES/BODY:** Painting of Vehicle Frames is not allowed. No cold bending of frames. No body creasing or peening allowed.

**REINFORCEMENT:** Reinforcement will not be permitted to the basic structure, frame, body, suspension or driveline. No hitches. Extra welding, seam welding, bolting, riveting, zip screws, wiring OR lacing of fenders for strength purposes will not be allowed. Concrete is not allowed in any vehicles. **DUCT TAPE ON DOOR POSTS ONLY AFTER INSPECTION IS COMPLETED.**

**SAFETY: SEAT BAR: MANDATORY**

A pipe or tube not smaller than 2 inches or larger than 4 inches. A wall no thinner than 1/8" and no thicker than 1/2 inch is recommended. Bar can only be attached to the B pillar and/or rear door. Maximum of mounting plate 6"x14" by 1/2" thick. The rear seat bar must be within 8" of the driver's seat. The space between the doors cannot be bigger than the mounting plate. Nothing else should be attached to the seat bar except the fuel tank (refer to fuel tank rules). This rule is designed for safety purposes only, not for reinforcement.

**DASH BAR: (NOT MANDATORY – HIGHLY RECOMMENDED)**

Dash bars are allowed. Bars can be no larger than 4"x4". Dash bars must be located in the general area of the dash area/A-pillars. Plates no larger than 6"x6"x1/2" can be used to attach the dash bar. Weld to sheet metal only. Dash bar must be above the steering column only.

**DOOR BAR:** Driver's side door bar is highly recommended, but not mandatory. Passenger's side optional. Attach only to dash and seat bar, NOT TO FRAME! Door bars must be made out of tube or Channel. Tube maximum 4"x4" or channel maximum 2"x8" only mounted to inside of seat and dash bar. Cannot run past seat bar or dash bar.

**BUMPERS:** Any open ended car bumper can be used. No Loaded Bumpers. Bumpers can be welded to the frame. Frame may be cut to attach bumpers. No more than four 2"x2"x6" angle or tube per side for filler. If wanted a tube bumper can be used. 4"x4" 1/4" wall and no wider than the tires. Two chains must go to or around the bumper and be bolted to the core support or body to keep the bumper from falling off on track.

**RADIATORS:** Radiators must be automotive only. Radiator must be in stock location or no radiators. Tanks and barrels are not allowed. No antifreeze allowed. No excessive radiator guards

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**FUEL TANKS** – All stock fuel tanks must be removed completely. Gas must be placed in a METAL FUEL TANK/METAL FUEL CELL. NO PLASTIC TANKS!!!! Fuel cells/tanks must be vented. Fuel tanks must be bolted down and secured. Can be threaded rod through the body or attached to the seat bar with box 24" max width & length, 3 inches off the floor minimum between frame rails NOT connected to anything but the seat bar—no kickers or angle gussets. **(THIS IS A HIGHLY RECOMMENDED OPTION)**

**GASOLINE/FUEL LINES:** Gasoline is limited to 4 gallons or less. Must have metal fittings and approved fuel lines. If fuel lines are still running through the floor, they need to be protected so they cannot be pinched or cut by the floor of the vehicle. Any steel fuel lines must be repaired/changed to rubber fuel lines if rusty or rotten. Fuel pumps that are mounted in the tank must be sealed with fuel approved sealant. NO RTV OR SILICONE. Fuel fittings must not leak. Please drill holes in the low spots of the floor board for drainage.

**HOODS/TRUNKS:** Two 12 inch holes must be cut into hood to put out fires on ALL demo cars. Hoods and trunks must be chained in 4 spots or 2"x2"x4" angle may be used in up to 4 spots welded to fender and hood or 2 bolts no larger than ½". A single bolt no larger than ½" holding the angles together. Trunks can be tucked only; no shoveling or wedging is allowed.

**COWL:** Two chains or flat stock/angle iron/square tube no larger than 2"x2" by ¼" thickness must be attached from roof of car to cowl sheet metal only for safety purposes, front only.

**CABLE SHIFTER:** Cable shifter is allowed in this class. You can run a bar for a cable shifter from the seat bar to the dash bar in the center; use the same material as the seat/dash bar. Only mounted to the insides of the seat and dash bar. Cable shifters may also be mounted to sheet metal only if you do not want to run a bar.

### **OEM STEERING COLUMNS ONLY**

**BATTERIES:** Batteries must be 2 feet from gas tanks and must be bolted down with bolts or threaded rod (must be secured). If two feet of space is not available (compacts/midsized), battery and gas tanks must be covered up or individually wrapped. Duct tape and silicone are not acceptable coverings. (Rubber floor mats are recommended). You must choose one of the following methods: Battery box can be mounted to floor sheet metal only or it can be mounted to dash bar (if mounting to the dash bar must be 3" from the floor). Choose one method ONLY!

**TIRES:** NO SOLID skid loader tires, forklift tires, paddle or tractor tires allowed. Air filled non aggressive tread skid or forklift tires will be allowed. (This will be up to the Grand Motor Crash's discretion).

**DOORS:** Doors can be chained or welded, NOT BOTH. One 2"x6" plate 3/16" maximum per vertical seam which cannot be cut, plate must remain in one piece. One chain per vertical seam on doors. Chains cannot be attached to frames for reinforcement.

**SUSPENSION:** Maximum height limit to the extent of stock shocks in stock position. Must have stock struts, no solid or reinforced struts allowed!

**MOVING CONTACT:** Drivers must make contact with a moving car (still in the competition) every 60 seconds or you will be disqualified. Any car out of the bricked area is disqualified.

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**FIX IT PLATE:** We are allowing TWO fix plates. This will be to repair a bent, broken, split or rusted out spot on the frame. Two fix it plates per frame. Plates to be no larger than 4" tall by 6" wide no thicker than 3/16". Must drill 1/2" hole in the center of plates and paint it orange so that the repair is visible. Each plate must remain in one piece. If both plates are to be used on the same side there must be 6" between each plate. **REMEMBER THIS IS A REPAIR PATCH ONLY. IF USED FOR REINFORCEMENT IT WILL BE CUT OFF.**

**BRING TOOLS/EXTRA SUPPLIES:** In case of safety changes please bring your own tools, etc. A fire extinguisher is recommended and needs to be accessed easily.

### **NOT ALLOWED:**

BOTTOM LINE DON'T JUST ASSUME YOU CAN DO THINGS BECAUSE THERE NOT LISTED IN THE RULES. BE SAFE AND PICK UP THE PHONE YOU WILL BE SORRY IF YOU OVER BUILD FOR YOUR SPECIFIC HEAT.