



2025 Mini-Stock Figure-8 Class

Mini-Stock Figure-8 (4-cylinder): 2025 Season

Light Class: Any 4-cylinder passenger car made in North America with a maximum weight of 2665 lbs.

Tech officials will check this class for curb weight compatibility.

No AWD, Supercharged or Turbo Vehicles. No trucks.

**Ask Tech for more details if unsure.*

Our first concern of course, is safety; the safety of our drivers and their crew. Racing is dangerous, but is also enjoyable. These vehicle preparation rules are designed to make all competitors equal and bring the “FUN” to the sport of racing. Build a safe vehicle and have fun!

All winning vehicles will undergo a technical inspection to ensure the vehicle is compliant. Any vehicles not in compliance will be disqualified and compliant cars will be moved up in succession.

Section 01: Car Preparation

- (a) All glass must be removed. The windshield is optional.
- (b) Flammable materials inside the car must be removed. These include: carpeting, rear seat, and all interior trim including side & roof liners. Trunks must be free from any debris. As well, the inside of the doors must be clear of all glass and debris.
- (c) All light covers/bulbs, side mirrors, hubcaps, wheel weights, grills, side chrome, plastic, door handles, and pot metal must be removed.
- (d) All trailer hitches, related brackets, reinforcements, and hardware must be completely removed.
- (e) Stock fuel tanks must be completely removed and relocated to the inside of the car.
- (f) Dash can remain stock.

Section 02: Fuel Systems

- (a) A metal tank or boat tank is required as a replacement gas tank. You must solidly mount it in the interior of the car, ahead of the rear axle. The tank must be located at least 12” from the inner door panels. If using a metal boat tank, you must have it placed in a metal frame and securely fastened with metal strapping or chain. **NO PLASTIC TANKS!!**



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- (b) 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) to prevent any accidental spillage on the driver in case of a leak. A hole must be made in the floor board for fuel runoff.
- (c) Electric fuel pumps are optional. If an electric fuel pump is used, you must have an on/off switch that is positioned so that up is on and off is down. The switch must be easily visible and "off" must be clearly marked.
- (d) Gas tanks may not be bolted to the frame in any fashion. Gas tanks may NOT be used as a kicker to keep the frame from dropping, or moving forward or backward. This is subject to Tech Approval.

Section 03: Batteries

- (a) Batteries must be re-located inside the car. Your battery box must be of metal construction, fully enclosed, and securely fastened to the floor. In NO way may it be connected or bolted to the frame. The lid must be securely fastened shut using 5/16" bolts or 2" straps. (i.e. seat belts). NO RATCHET STRAPS OR BUNGEE CORDS OF ANY TYPE
- (b) Two (2) batteries maximum
- (c) Switches must be used for powering on and off the car. Switches must be within reach of the driver while harnessed in. There is no excuse for not being able to turn off your car in an emergency situation.

Section 04: Safety Bracing

- (a) If the dash is removed, a front cross brace (dash bar) must be installed above the steering column from window post to window post (in the former position of the dashboard). It must be made of a minimum 2" pipe or square tubing with 1/8" wall thickness and be securely fastened into position. The dash bar in no way may touch or be bolted to the floor or the frame of the vehicle. If a two-piece pipe is used, it must be securely fastened so that it cannot collapse. (Welded or minimum 3/4" bolt)



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- (b) A rear cross brace must be installed from door inner skin to door inner skin, as close to the door post (B pillar) as possible, and at least halfway up from the floor. It must be made of a minimum 3" pipe or square tubing, with plates welded on the ends. The end plates may not extend more than 15" past the cross bar (towards the rear of the car). The cross brace must be bolted with a minimum of two (2) $\frac{3}{4}$ " bolts per side, extending through the door bars. If the cross brace is collapsible, it must be pinned with a $\frac{3}{4}$ " bolt (minimum) or welded so it can't rotate.

Optional: If the floor boards are rusty, you may run a max. 2" pipe or square tubing over to the inner rocker panel sheet metal. It must be welded; no bolting of this bar! This bar MAY NOT be welded to the frame!!

- (c) All cars must have a minimum of one upright (vertical) post. Upright must be located directly behind the driver's seat. The upright must be made of a minimum 2" pipe or square tubing with a minimum 4" x 4" plate welded to the top. The upright will extend from the roof to the cross bar or to the floor, and be located as close to the seat as possible. It must be attached with a minimum of two $\frac{3}{8}$ " bolts on each end.

Note: If using a two-piece upright, the female end should be above the helmet level, unless the upright is welded or solidly pinned with a $\frac{3}{4}$ " minimum bolt.

Optional: May add a second upright on the passenger side of the vehicle. Uprights may in no way be connected to the frame.

- (d) Both front doors must be reinforced with a minimum 8" wide, $\frac{3}{16}$ " thick channel iron. The door bars must not be more than 6' in length and must begin ahead of the front door seam and be no more than 6" in front of the front door seam. The iron must be bolted with a minimum of three (3) bolts ($\frac{3}{4}$ " min) that extend through the inner panels. Backing plates (washers) must be used and must be a minimum of 6" x 6" x $\frac{3}{16}$ " thick on both front and rear ends of the door bars. The front bolt must be located no further back than the front fender/front door seam and at least one other bolt must go through the plate connected to the rear cross bar. The ends of the side irons must be cut at a 45-degree angle.

Section 05: Seat, Seat Belts and Safety

- (a) Approved four-way safety harnesses are mandatory. They must be mounted to stock mounts or have a 2" minimum flat washer where it is mounted through the sheet metal.
- (b) Seat can be OEM stock of any make/model car (Honda Prelude/CRX seats not recommended). Put a headrest on upright behind the seat if the seat was not equipped with a headrest (mandatory).
- (c) **Long sleeved jackets**, long pants (no shorts), long sleeved coveralls, and regular closed toe shoes must be worn in vehicles to protect against fire and injury during all events.
- (d) Helmets must be free from major cracks and be fasted to head properly.



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Section 06: Building, Welding & Securing

THERE WILL BE NO OTHER WELDING OTHER THAN WHAT IS STATED BELOW. IF YOU HAVE A QUESTION ABOUT WELDING, PLEASE CALL THE HEAD TECH OFFICIAL. IF WELDING IS FOUND ON THE FRAME OR SHEET METAL THAT IS NOT SPECIFIED BELOW, YOU WILL BE ASKED TO CUT OR LEAVE!

- (a) Doors: You can only weld the bottom of the drivers door. If bolting the doors shut, you may use up to four 1/2" bolts per door. If chaining the doors shut, you may use two chains, no larger than 3/8" per door.
- (b) Trunk lids and hoods must be secured shut with bolts or chains as follows:
 - i. Hoods can be bolted in a maximum of six places other than stock, in which only two may go to the frame. Bolt size must be a minimum of 5/8" and a maximum of 1". Maximum plate size is 6" x 6". Bolts must not exceed 4" above the vehicle surface. Ready-rod can be welded at top of rad support by use of a small plate or washer only. HOODS MUST BE OPEN FOR TECH! NO EXCEPTIONS!
 - ii. Chains must be a minimum 3/8" & maximum of 1/2" welded type. A bolt no smaller than 3/8" & maximum of 1/2", with washers, must connect the chains.
 - iii. Trunks may be fastened in a maximum of six places using chains or bolts of which only two may go to the frame. If bolting, plate size cannot exceed 6" x 6". All thread (1" max) may go through the frame. Cars must have an inspection hole in the trunk.
- (c) Import bumper swaps are allowed; however, you must use factory import hardware (brackets/shocks) that either came with the bumper or came with the car you are putting it on. You MAY NOT use both!
- (d) Front and rear bumpers must be welded solid (i.e. bumper to bumper shock, shock to bracket and bracket to frame). Bumpers must be chained to the vehicle.
- (e) Bumper shock itself may be collapsed and welded. No added material. You cannot weld anything else but the front and rear bumpers.
- (f) If the car is running a passenger seat, prepare the seat the same as the driver's side.

Section 07: Window/Window Screen

- (a) A protective screen of 2" wire mesh or smaller must be installed in front of the driver if the windshield is removed. A car with a sunroof is allowed as long as the opening is securely covered with sheet metal and deemed safe by tech officials.
- (b) Minimum one/maximum two steel straps down the center of the windshield from top to bottom made from 3/16" to 3/8" thick x 2 1/2" wide flat stock. Window bar(s) must be bolted with a



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minimum of 5/16" and maximum of 1/2" bolts. Window bars CANNOT be welded in place. No sheet metal screws are allowed for fastening window bars.

- (c) No rear window bars permitted
- (d) Side bar/chain for hard top (no post) cars, from roof to door, to protect the driver from side shots.
- (e) Driver/passenger window nets are mandatory. Must be quick to release to enable access to driver/passenger in a safety situation.

Section 08: Radiator

- (a) No cooling system other than stock is permitted. Radiators and/or fans can be removed. Expansion tanks must remain in engine compartment as close to the stock location as possible. Radiator support or radiator attachment will be no stronger than stock. Tech decision is final. Must remove antifreeze and A/C Freon.
- (b) Transmission coolers other than stock, if used, must be in an enclosed box inside the vehicle. Transmission coolers and all hoses must be leak proof. No screw type clamps on any transmission hose connections inside the car.
- (c) Transmission coolers and components may NOT be bolted to the frame in any fashion. Transmission coolers are NOT to be used as a kicker to keep the frame from dropping or moving forward or backward. Subject to Tech Approval.

Section 09: Motor Mounts/Suspension

- (a) Motor mounts and transmission mounts may be strengthened with bolts, welds or chains. Motor straps welded to the frame and bolted to the motor are allowed. Straps can be a maximum thickness of 3/8" flat bar and 2" wide only and are limited to two straps each side.
- (b) Suspension must remain stock.

Section 10: Distributor Plates

- (a) Distributor protectors are allowed, and must be attached to engine only, and are only to protect the distributor. It may not be bolted or connected to body, hood or frame.

Section 11: Exhaust

- (a) Exhaust must be clear of any flammable materials or wires to prevent fire.

Section 12: Carbs/ Fuel Injection

- (a) You must have either an air cleaner or suitable flame arrestor. Paper air filters must be removed from housing.
- (b) Two large holes, at least 4" in diameter, must be put in the hood for fire extinguisher access.



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Section 13: Brakes

- (a) Cars must have working brakes.

Section 14: Tires/Wheels/Tie-Rods

- (a) Any **DOT highway tire** may be used. Tires must be filled with air and air only.
- (b) Wheel wells may be trimmed.
- (c) Valve stem protection is permitted.
- (d) Tie rods may be reinforced. Must have stock tie rod ends. No heim joint. Pipe tie rods may be used as a repair only.

Section 15: Sign Boards/Flags

- (a) Car numbers will be painted on the signboard. Numbers will be at least 18" high and minimum of 2" thick. Signs need to be in contrasting colors such as black numbers on a white background. If the signboard is unreadable, the car will not be permitted to race until it is corrected
- (b) No Roof Sign, No Race!

Section 16: Repairing Damaged Cars

- (a) When repairing damaged cars, you may use for two (2) 4" x 6" x 1/8" plates per frame section. Be within reason. Pieces cannot be any closer than 3". They may not attach to each other in any fashion. Repair pieces must have an inspection hole drilled in the center of plate. A frame section is one frame rail in front of or behind an OEM firewall. two plates RF frame, two plates RR frame, two plates LF frame, and two plates LR frame. That's a total of eight plates. You may not add any more than this. TWO PLATES MAX PER FRAME SECTION. YOU MAY NOT TAKE PLATES AWAY FROM ONE (1) FRAME SECTION AND ADD TO ANOTHER.

Section 17: Misc. Can & Can't Do

- (a) You may cut firewall for distributor clearance. You must cover with tin or rubber mat.
- (b) You may not modify or strengthen on any upper and lower arms on both front and rear suspension.
- (c) You may clamp leaf springs, four clamps per leaf 2" x 1/4" maximum, two 3/8" bolts per clamp
- (d) Body mounts may be removed. If replacing bolts, you may use bolts/all thread no larger than 3/4", maximum 3" x 3" x 1/4" washer/plate. Washer may not cover body mount hole on exterior of frame. Must be able to see into the frame. NO EXCEPTIONS!!! In addition, you may add two (2) mid-body mounts. No larger than 3/4" bolts/fasteners. Maximum washer size is 3" x 3" x 1/4". Must be brightly painted for easy viewing.



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- (e) You may re-bolt hood skins. Four bolts maximum around each fire hole/stack hole. 3/8" max bolt size. 1" max washer size.
- (f) You may re-bolt wheel wells. You are allowed three (3) 3/8" bolts with 1" diameter washers per wheel well.
- (g) Fire extinguishers are NOT mandatory, although highly recommended. If a fire extinguisher is installed in the vehicle, it must be securely mounted and within driver's reach.
- (h) ENGINE CRADLES are not allowed in this class
- (i) All cars **MUST** be brightly painted
- (j) Slider drive shafts and swivel drive shafts are permitted.

These rules are to simplify the build. Keep it easy and fun for all participants.

Head Tech Official

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