

## 2022 Stinger Rules

Must be a stock 4 cylinder car.

- No turbo or rotary engines allowed.
  - Stock-type fuel injection or stock manufactured carburetor only (Motorcraft, ect...).
- ONE 0.800" maximum throttle body spacer may be used. No Holley, Weber or other racing carburetors allowed. Carburetor must be stock for engine.
- Motor must be stock appearing and in stock location.
  - Motor must match car (ex. Honda must have Honda engine).
  - Any air or oil filters (K&N, ect.)
  - Intake must be a stock intake. No Skunk 2, ect.
  - No cold air intakes for fuel injections – must be stock type breather system. A flexible rubber or plastic hose may be used in place of the stock air box tube. No smooth metal or smooth plastic tubing allowed. A cone type filter is allowed and may be connected directly to throttle body or the allowed tubes.
  - Aftermarket radiators okay – radiators can be braced for support.
  - Aftermarket (racing) headers are allowed and will be subject to claim. Claim is \$300 and includes only the header itself.
  - Computer may be chipped and/or tuned. A standalone ECU and aftermarket harness are allowed. Ignition coil must remain OEM.
  - You may move the battery for safety purposes.

Weight Rules:

- 4-cylinder cars must weigh 2,200 pounds with car and driver after the race.
- Exceptions: 50 lb. weight break for HANS or like device. 50 lb. weight break for full containment seat.
- V6 FWD cars must weigh 2,700 pounds, if you run a V6 the engine must remain stock for that car.

**NO ENGINE OR ENGINE COMPARTMENT MODIFICATIONS WHATSOEVER.**

(same weight breaks as 4 cylinder).

Body / Wheel / Tire Rules:

- Any front wheel drive car.
- No all-wheel drive cars or all wheel steer cars.
- Must have stock rear and front suspensions as from factory, slotting of factory mounting holes allowed.
- No racing springs (lowering) or shocks allowed. Springs may be heated, clamped or use spring rubbers.

Springs must be within 2' of factory installed height.

- Rear control arms should be stock but may be braced / strengthened / repaired. No aftermarket.
- Stock type aftermarket suspension bushings are allowed.
- Stock production cars only.
- Mirrors are allowed.
- Must have a quality welded MINIMUM 4-point roll cage inside the car with a minimum of 0.95" thickness tubing – Magnolia Motor Speedway has final say in safety of the cage.
- Minimum 3 driver door bars / 2 side door bars – 6 or more point cages okay.
- No push bars past firewall. Roll cage may extend forward behind bumpers. Bumpers must be covered in some way with no exposed sharp corners.
- Aftermarket racing wheels allowed – 7-inch maximum. **NO BEAD LOCKS.**
- Street legal DOT tires required. No drag radials, mud grip lug tires, racing tires or racing recapped tires allowed. Directional tires are allowed.

- Tires can be mixed and matched for stagger.
- Aftermarket nose pieces allowed.
- 6-inch metal support to extend out behind nosepiece or to hold grill in place allowed.
- No push bars to extend outside of bumpers or beyond nose piece.
- Some sheet metal will be allowed for repairs. Cars should remain as close to stock appearing as possible. Adding sheet metal to bodies may result in a weight penalty being assessed.
- Gutting of body is allowed.

Safety:

- RACING (not motorcycle) helmet, SA 2005 or newer is required.
- Minimum single-layer fire suit required (SA 3.2A specification recommended).
- Fire proof gloves strongly recommended (SFI 3.3 specification recommended).
- A 4 or 5-point harness, properly mounted per manufacturers' specifications, is required. Must have been manufactured in the last 5 years. Any worn, abraded or torn belts must be replaced.
- A minimum 5 pound fire extinguisher is recommended and should be securely mounted within drivers' reach.
- Only racing-type seats, properly mounted per manufacturers' specifications, are allowed. A full containment seat is strongly recommended. Cars equipped with full containment seats will receive a 50-pound weight break.
- A head and neck restraint system (SFI 16.1 compliant) is strongly recommended. Drivers using a head and neck restraint will receive a 50-pound weight break.
- Racing fuel cell and window nets are highly recommended.
- A firewall must be in place between driver compartment and fuel cells, fuel lines or tanks.