

# 2019 Stinger Rules

If you currently drive in another class other than Stinger, or have driven full time in the past season in another class, you are not allowed to race in this class.

**23.50** Second breakout rule. Any lap under **23.50** will NOT be scored! This lap time rule may change as the class evolves. This is being put into place to keep this an affordable Stinger class. The breakout rule will help keep high priced rare 4 cylinder cars in check. Feature Races longer than 20 laps MAY allow ONE **23.49** or less breakout lap!

## Bodies & Frames

1. Any make or model front wheel drive 4-cylinder only. NO EXCEPTIONS
2. May run all-wheel-drive/4-wheel-drive cars if rear drive shaft is removed. NO EXCEPTIONS. Car must pull with front wheels only. This will be checked before the race begins.
3. May be 2 or 4 door; hatch back, sedan, station wagon, etc.
4. No turbo or supercharged cars allowed
5. No NOS or other performance enhancing devices allowed.
6. All glass must be removed. Including lights.
7. Remove all burnable upholstery
8. May replace stock dash with sheet metal dash
9. All exterior chrome and molding or anything that can come off the car must be removed.
10. Battery must be put in fully enclosed battery box, securely mounted to car
11. Remove the insulation under the hood.
12. Must have 20" number on each side and 20" number on roof of car for scoring.
13. External parts may be removed such as A/C compressor and dehydrator, PS pump, etc... Absolutely no performance parts may be added to the engine with the exception of spark plugs and air filters. Air filters MUST utilize STOCK air box.
14. All ECM's (computers), including chips, MUST be OEM Stock for year, make and model of car. All computers and ECM's must be securely mounted behind dash out of reach of driver. Absolutely NO aftermarket performance chips or computer modifications! The OBD connector must work and communicate with the tracks scan tool.
15. All cars MUST have stock bumpers front and back. Damaged body parts may be covered with sheet metal or plastic provided original body remains underneath repaired areas where possible.
16. All cars must have pick up points (tow chains) front and back

## Safety

1. Must have serviceable fire extinguisher SECURELY mounted within reach of driver, no tape or zip ties.
2. Must have window net on driver's side with proper mounting hardware.
3. All cars must have a minimum of a 4-point roll cage with attachment points properly welded. Tech inspectors will determine if it is sufficient! Minimum of 4 driver side door bars. Must use minimum 1/8" steel plate over all 4 drivers' door bars. Vent bars on both sides of the car measuring no less than 10" in length and minimum .095 thickness, 1 ¼" round tubing.
4. Must use 4 or 5-point safety harness. Harness must be bolted to roll cage, all belts to be less than 5 yrs old and all frayed belts must be replaced.....NO EXCEPTIONS
5. Must use approved racing seat bolted to roll cage.
6. Gas tank may be replaced with a fuel cell, but must remain "centered" in the trunk area, no offset to either side.
7. If gas tank is behind rear axle, then you must install a "U" shaped bar between rear bumper and tank.
8. All cars must have 3 windshield bars 3/8" in diameter, securely welded to roll cage or Full Lexan Windshield.
9. All roll cage areas that the driver may contact during race conditions must be covered with padding.
10. May install quick release steering wheel for safety considerations however steering column must remain stock.
12. Master Battery disconnect switch must be used and located so that the driver or emergency personnel can get to it. (RED HANDLE). Must be clearly labeled On/Off
13. All cars must pass safety inspection or no racing that event, or until issue is fixed.
14. No racing radios but Raceceivers are mandatory anytime car is on track. Raceceiver MUST be set to monitor race control & no other channel!

## Suspension

1. All springs/struts must be stock height, size, and rate.
2. OEM type passenger car shocks only. No air shocks. No racing shocks.
3. Stock Bump Stops on suspension.
4. All steering components must remain stock.
5. Left wheels must remain straight up and down with no adjustment in camber. Right sides cannot exceed 1" difference in top and bottom of rim.
6. No strut supports of any kind...NO EXCEPTIONS

7. Wheel base MUST measure the same distance on both sides of the car.

## **Tires and Wheels**

1. Must be Factory Stock or steel OEM or equivalent wheels, NO RACING WHEELS
2. DOT Street tread only. All tires must be same size (Example: 225/70R14, etc)
3. Tires do not have to match each other in brand.
4. Wheel size must be factory (if car came with 13" wheels, then you must run 13" all the way around. 14" must run 14", and so on. Cannot run other than stock offset on wheels and cannot run wider than stock wheels.
5. No tire soaking/and or treating. Any driver/owner/crew member found to have used, or brought, any tire soaking chemicals onto racetrack property will be asked to leave the property and will be subject to fine and or suspension.

## **Transmission & Driveline**

1. Automatic or manual. No locked drivetrain.
2. If car came from the factory with an automatic transmission, you must use an automatic transmission. If it came with a manual, then you must use a manual.

## **Engines**

1. Engine must be a 4-cylinder only for year, make, and model of car. Cannot interchange engines, cylinder heads, and/or parts.
2. If it came with a carb, then you must have a factory carb. No modifications allowed.
3. If it came fuel injected, then must be fuel injected.
4. Carb must be for year, make, and model.
5. Cannot change any internal or external engine parts other than factory stock or factory replacement parts.
6. Absolutely NO turbo or superchargers allowed
7. Exhaust header allowed.
8. No porting or polishing on cylinder head, no flow work or port matching