

## Front Wheel Flyers

*\* These rules may be amended at the official's discretion. \**

**1 Models:** 1998 and older, completely stock, unibody, V-6 powered, Front Wheel Drive passenger cars as purchased from the factory with no modifications or alterations except as specifically allowed in these rules. No Convertibles, SUVs, Mini-vans, Pickups, etc. Severely rusted cars, especially in the cradle mount and suspension mount areas, will not be allowed. No All Wheel Drive cars. Wheelbase must be between 104" and 116". A wheel base variance of +/- 1" is allowed. (Some examples would be: **GM:** Century, LeSabre, Cutlass. **Ford:** Taurus, Sable, etc.) Foreign models are allowed. Mini vans are allowed, but must be front wheel drive, V-6 powered & unibody.

**2 Bodies:** Complete full body cars only with no trimming or other modifications to the body. All interior upholstery and trim must be removed. The dash and instrument cluster must remain intact. All exterior lights, lenses and reflectors must be removed. No brake lights of any kind allowed. Light holes may be covered with sheet steel to improve the cars appearance. Front and rear firewalls and floor must be complete, and all holes covered with sheet steel. Doorplates are required on both sides of the car. Doorplates must be between 10" & 12" high, 1/4" thick steel and cannot extend past the forward most portion of the rear wheel well opening and the rearward most portion of the front wheel well opening. Doorplates may be more than one piece but must contour the car and be securely mounted to the door and fender only.

**3 Bumpers:** Stock bumpers for car only. Shock type bumpers must be secured with chains or welded to prevent them from falling off. Exposed bumper ends must be connected to the body with straps not to exceed 12" long by 6" high by 1/8" thick.

**4 Glass:** All side windows and rear window must be removed. The original windshield may be used. The windshield may be replaced with 1/8" thick Lexan or heavy screen; 3 vertical braces are required for added support. Rearview mirrors must be removed.

**5 Roll Cage:** A roll cage may be installed. The roll cage must be made of maximum 1 3/4" OD steel roll cage tubing with a wall thickness of .090". No weld ells or fittings. Only mandrel bends are allowed. The main hoop must be positioned behind the driver's seat and extend from the floor to the roof, and extend the width of the driver's compartment. Some type of 'X' bracing must be installed. The main hoop must be braced from the top of the hoop, down and rearward to the lower rear section of the driver's compartment; two braces, one on each side. The main hoop and rear braces must meet the floor with a 36 sq. in. 1/4" thick steel plate and be welded or bolted to the floor. If the plates are bolted, a similar sized plate must be used below the floor. A seat support bar is mandatory, even if a roll cage is not installed. Front and rear bay bars are allowed. No bars may extend beyond the contour of the body. All welding must be done with an electric welder.

**6 Engine:** V-6 engines only with a maximum displacement of 4.1 liters. The displacement must match the emission sticker. The engine must be original or an exact replacement. The engine must remain completely stock. OEM stock replacement parts only. Completely stock air cleaner housing and filter element must be used. Ducting to the air cleaner may be changed. Electronic fuel injection only (throttle body or port). No turbo-chargers or super-chargers.

**7 Electrical:** 12-volt electrical system only. Battery must remain in stock location. Battery must be secured with a minimum of 1/8" thick x 1" wide steel strap, and 5/16" bolts. OEM stock sensors and computers only. OEM stock computer chips only. No tuner, performance or programmable chips allowed. OEM stock wiring harness must be used. No re-wiring without officials approval.

**8 Cooling System:** Stock radiator only. The A/C condenser and compressor may be removed, but all other A/C components must remain. 2 electric cooling fans may be used. A coolant recovery bottle is mandatory. Water only, may be used in the cooling system. NO ANTIFREEZE.

**9 Exhaust:** Stock exhaust system only. The catalytic converter may be replaced with a piece of straight pipe of the same diameter as the exhaust pipe. If the catalytic converter is removed, some type of muffler must be used. Exhaust must exit behind the driver.

**10 Fuel System:** A clearly marked fuel pump shut-off switch is required and must be located behind the driver's seat. No fuel lines are allowed in the driver's compartment.

**11 Fuel Tank:** The stock fuel tank may be used if it is located forward of the rear axle; stock fuel fill must remain. A fuel tank may be mounted in the trunk. Models without a rear firewall and the tank mounted above the trunk floor, must contain the fuel tank in a steel enclosure. The fuel tank must be securely strapped in place. A fuel shut-off valve is required for a trunk mounted fuel tank.

**12 Drive Line:** Completely stock driveline only. OEM stock automatic transaxle only with no modifications. Stock transmission cooler only. Engine cradle mount point reinforcement is encouraged.

**13 Suspension:** The suspension system must remain completely stock. The springs may not be heated or cut. OEM stock springs, control arms, bushings, shocks, struts, spindles, etc only. Camber may be 1 ½" front and rear with the driver in the car.

**14 Steering:** The steering system must remain completely stock. Center of steering must be padded. Steering wheel may be removable.

**15 Brakes:** Stock brakes for car only. Rotor and/or caliper size may not be changed. Stock master cylinder only. Anti-lock braking system may remain functional. Brake bias adjusting devices are not allowed.

**16 Tires:** All 4 tires must be the same size and aspect ratio. 75, 70 or 60 series, steel belted radial tires only. No made for racing, low profile, or non-D.O.T. tires.

**17 Wheels:** Stock wheels only; steel wheels are recommended. All 4 wheels must be the same size; 14", 15" or 16" diameter only. The right front wheel may be a racing wheel, but it must be the same diameter, width and backset as the other wheels.

**18 Weight & Ground Clearance:** Ballast must be securely attached to the unibody or roll-cage. No ballast in the driver's compartment. All ballast must be painted white and have your car number on them. Each piece of ballast must weigh at least 5 pounds.

**19 Seat:** The original seat may be used. The seat back must be secured to the seat support bar. An aluminum racing seat may be installed. No plastic or fiberglass seats.

**20 Safety:** A driver's window net is required. All air bags must be removed. The center of the steering wheel must be padded. 5-point, 3" wide racing belts are allowed. A fully charged fire extinguisher, securely mounted, with in the drivers reach, is required. See also General Rules for additional safety equipment requirements.

## Amendments: