



Rules for Street Stock Miata Class

(Revised 12/15/2010)

RACE GROUP: White

RULE SET: SSM

CLASS NAME: Street Stock Miata (SSM)

The purpose of the Street Stock Class is to provide a safe, low cost, near street legal, entry level race car for member's participation in the racing events sanctioned by ProAutoSports/ASA.

These race cars and the driver's equipment must meet or exceed the rules in the GENERAL COMPETITION RULES (GCR) for proper preparation and safety. See sections on both driver safety and race car safety.

The SSM class is for 1989-1998 (known as the "period") non turbo Mazda Miata models NA and NB. The race car must remain stock and be street legal except for the explicit following items: **NO OTHER CHANGES ARE LEGAL.**

Updating and backdating of parts is allowed within the 1989-1993 1.6L cars and within the 1994-1998 1.8L cars. It is not allowed between 1.8L and 1.6L cars.

1. **Engine:** Stock engine of the period with no internal or external changes except input to the stock air filter box and air filter element may be changed. Air Conditioning equipment in engine compartment may be removed. Smog equip may be removed.
2. **Fuel:** Unleaded street fuel or unleaded race fuel 100 octane or lower may be used.
3. **Suspension:** Any spring rates and single or non adjustable shock absorbers may be used as long as their form factor remains stock. Bump stops may be changed. Any anti-roll bars may be used as long as they match stock mounting points and form factor. Alignment specs are free. Minimum ride height 4" at rocker panel pinch weld.

4. **Exhaust System:** A cat back exhaust system or aftermarket muffler may be used. Muffler(s) required. Must exit behind driver location.
5. **Wheels & Tires:** Miata 5.5" X 14" stock wheels with Spec Tire Falken Azenis RT615K 195X14 **must be purchased from Carroll Shelby Goodyear (602-437-4977).**
6. **Brake System:** Any brake fluid and brake pads may be used.
7. **Differential:** 4.3 ratio rear differentials from 1999-2003 may be used in 1989-1993 1.6L cars.
8. **Interior:** Removal allowed: carpeting, entertainment system, air bags, door panels, bracing within the door, door glass & mechanisms except for door handles. Interior and exterior door handles must work. Sharp edges covered. Steering wheel may be removable. Aluminum Race seat without seat back brace recommended for driver. Passenger seat optional with 6pt SFI rated restraints within SFI date requirements.
9. **Exterior:** Miata stock steel body panels and bumpers required. No lightening of unibody or bumpers allowed.
10. **Lights:** Brake light and tail lights must work. Headlights optional.
11. **Weight:** Minimum weight with driver for 1989-1993 1.6L cars is 2,285 lb. For 1994-1998 1.8L cars is 2,375 lb. **Weight in the amount of 150 lbs must be added to all 1994-98 1.8L cars.** It shall be in the form of a lead bars securely bolted to the passenger floorboard.

No other changes may be made unless they are listed above. For example, engines, engine management systems, transmissions, diff ratios, body and suspension parts must remain stock including pickup points and bushings.

"Stock" means 1.6L cars must have parts of the years 1989-1993 and 1.8L cars must have parts of the years 1994-1998.

Please note: Cars that do not fully meet this spec may ask for a waiver to run in the class. Cars that are built to a superior level over these specs will run in a PS Class. Supercharged or turbocharged cars may be classed in a GT class.