



# 2018 FACTORY FWD RULES

**ALL 2018 Rules of Competition Also Apply**  
Rules take effect January 1, 2018

## GENERAL

- A. This class has been re-developed to permit those desiring to try racing at an absolute minimum cost. This is a production division, unless specifically listed as an allowable modification; you may not change or modify the car or parts in anyway. This class is designed to be a cost-effective, fun and affordable racing division.
- B. Vehicle must be a subcompact style 4-cylinder or 6-cylinder model. Some moderate midsize vehicles are permitted with prior approval. No convertibles, 4-wheel-drives, rear engine, or mid-engine models. These are to be stock street legal vehicles with minor modifications for safety.

## DRIVETRAIN

- A. Engine must be a stock 4-cylinder or 6-cylinder and stock for that year, make, and model in stock location. Eligible engines are to be a single carburetor or factory fuel injected engine only not to exceed 2 barrels. A factory air cleaner is required. Intake and exhaust manifold must be of stock manufacturers original. No headers of any kind, even if stock. No turbo or rotary engines. DOHC engines are allowed. Cars having improved inner engine performance for racing purposes will be disqualified and banned from any future competition.
- B. The engine compression ratio may not be altered from stock and can/will be checked during any inspection.
- C. Exhaust must be single and completely sealed factory designed system. It must remain factory quiet. This means no Turbo, Glass Pack, or similar style muffler permitted. Exhaust must be visible to inspection. No flex-pipe or side-exiting exhaust.

- D. All cars can utilize the factory under-the-hood battery location or may move battery to a safe location inside the car in a covered spark proof box made for this application.
- E. All ignition systems must remain stock. No aftermarket or racing improved ignition systems. Aftermarket replacements of plug wires and cap are allowed. A racing style on/off switch can be added for purposes of starting or shutting off the vehicle. The factory steering column cannot be altered. No use of a screwdriver as a key setups.
- F. Radiator must contain water only. No antifreeze is allowed and will bring penalties and/or disqualification.
- G. If the factory fuel tank is located in front of rear wheels, it can be left there but must be secured with two extra metal straps. All other fuel tanks (boat tank or fuel cell) must be mounted in the trunk area between the rear wheels as far forward as possible. Tanks must be fastened with steel straps, bolts, and oversized washers. A complete steel firewall must be between the tank and the driver's compartment. No fuel lines to be run through the drivers compartment.
- H. Factory installed transmission for that vehicle mandatory. They can be 3, 4, or 5 speed or automatic transmissions.

## WHEEL AREA

- A. Any 13" 14" 15" 16" D.O.T. 70, 75, 78 Series all season or all weather passenger car tire may be used. Tires must have standard road tread design with visible regular tread grooves. Tires must be the same size and series on all four corners. NO low profile-type tires. NO racing or snow-tread tires allowed. NO tire shaving or buffing allowed. NO recapped or retreaded tires. No products used for chemically altering tires allowed on track property. Violators will be penalized.
- B. Factory wheels for that make and model are required. No offsets or spacers. Maximum 7" wheels allowed.
- C. Right front may have a maximum of 2" camber. No exceptions. No adding additional camber to other tires allowed.
- D. No deviation from stock brakes allowed. Cars must have functional brakes on all 4 wheels. No brake bias or braking assisting or traction controlling devices. If the car has an emergency brake, it cannot be accessible by the driver during competition. It can be removed or placed in a locked or unusable position during racing.

- E. Suspension must remain factory for the make and model with only alterations being allowed to the springs. All four corners of frame/underside of the chassis must be within 1" inch of level as manufactured. Vehicles must have original track width.
- F. Car must maintain a minimum ride height of 5" all around with no exceptions.

### **BODY**

- A. Body must remain unchanged and fully stock. No aluminum or fiberglass. It is permitted to remove rear window frame on hatchback cars. If removed, replace deck portion with sheet metal to retain stock appearance. The hood and trunk must have hood type pins for easy access by track officials. No bolting down.
- B. All glass, headlights, taillights, mirrors, etc. must be removed except for the complete front windshield. A full factory glass front windshield or Lexan replacement. The Lexan windshields must have a minimum of three upright bars spaced no more than 5" apart. Those solid steel bars must be at least a half inch in diameter. A cracked windshield can be taped for temporary repair. Cracked windshields that impede the driver's vision must be replaced for safety. All broken glass and debris must be removed.
- C. The stock steel unaltered floor pan, trunk area, trunk floor, and wheel wells must be retained. No lightening of these components. Any sharp protruding objects on car or in driver's compartment must be smashed down or removed. Drivers' door interior panel must remain in place or be suitably re-placed by padding. All flammable material must be removed except the factory dashboard.
- D. Front firewall must be sealed with no holes. A complete firewall must seal the trunk area from the driver's compartment. Factory rear seat back framing may serve as the firewall.
- E. All doors must be welded shut and stock door hinges must remain in place.
- F. No additional weight or ballast is permitting to be attached to the vehicle.
- G. Any sunroof opening must be entirely covered with steel and welded closed.

### **OPTION 1 for the DRIVER COMPARTMENT**

- A. Cars are to retain the factory installed seat and seatbelt configuration for that make and model. All seatbelts must remain in working order and in use at all times. No racing belts may be added to this configuration.
- B. Cars must have a 1/8" thick steel door plate welded or bolted on the outside of the driver's door. It must encompass the "A" and "B" pillars for structural safety and be approx. 12"-18" in height. A passenger side door plate is recommended, but not required.
- C. A quick release steering wheel may be used, but must maintain the factory column.

### **OR**

### **OPTION 2 for the DRIVER COMPARTMENT**

- A. Cars must have a padded racing type seat with the seat frame mounted to the roll cage. Use of an approved racing-type seat belt, shoulder harness and crotch strap combination is required. All belts must be new or no more than three years old. The belts must be minimum of three inches wide (except for the crotch strap which must be a minimum of 2" wide), adjustable, unfrayed, undamaged connect in a single metal-to-metal quick release buckle. The belts must be mounted to make their length as short as possible. The belts should not pass over the sides of the seat but should pass through at the bottom of each side. The seat belt must be mounted so it passes around the pelvic area at a point below the anterior superior iliac spines. Under no condition may the belts be worn over the intestines or abdomen area.
- B. A full 4-point roll cage must be used with no front or rear hoops. Door bars must be installed as well only the driver's door may be skinned to give arch to bars. It may be supported by kick-downs to the rear that go no further back than the rear firewall. A 4-point cage must be welded to two 4" plates which sandwich the floor pan at each mounting point. No bars to run through the firewall to the strut towers.
- C. A quick release steering wheel may be used, but must maintain the factory column.