

## FRONT WHEEL DRIVE RULES

### Eligibility

1. Front wheel drive CAR that came from factory with a non-turbo single or dual cam 4 cylinder engine permitted.
2. NO trucks, mini vans, or station wagons permitted.
3. Engine MUST be Naturally Aspirated only. ABSOLUTELY NO turbo, nitrous, methanol, or alcohol based configurations allowed.
4. Original engine must match original vehicle. Ex: Ford in Ford, Chevrolet in Chevrolet, etc.

### Safety

1. Before competition, ALL glass, plastic, mirrors, body molding, trim, carpet, fabric, and anything flammable or harmful to the driver, officials, or fans MUST be removed. Cars must be completely gutted.
2. All cars must have a solid 6 point roll cage.
3. ALL Roll cage components must consist of 1 ½" x.095 steel tubing .
4. Roll cage design must include a minimum of 5 bars extending side to side. (top of main hoop, front of halo, dash bar, middle of main hoop, and bottom of main hoop)
5. Roll cage must be welded directly to the frame OR welded to ½" steel plates, 4" x 8" minimum size, sandwiched on floor.
6. Doors on both driver side and passenger side must have 3 bars, with connecting bars in between.
7. The Main Hoop must consist an "X" style bar or single diagonal bar.
8. There must be a diagonal bar in center of the top hoop.
9. Gussets highly recommended but not required.
10. A minimum of three(3) windshield bars are required in front of driver. Bars must be at least ⅜" in diameter.
11. Racing Style seat is MANDATORY. Full Containment is not required, but strongly encouraged.
12. 5 point racing type seat belts are required.
13. Racing Seat AND belts must mount to frame or roll cage.
14. Quick release steering wheel is required.
15. Fire Extinguisher must be up to date and mounted inside the cockpit within reach of the driver.
16. Battery must be securely fastened down. IF located inside cockpit, the battery must be completely enclosed.
17. Battery Master disconnect switch must be within reach of driver at all times.
18. Window Net is not required but strongly encouraged.
19. Approved Helmet must be worn at all times while on track. Helmets must be Snell SA 2010 or newer. NO open faced dirt bike style helmets allowed.
20. Drivers must wear approved racing fire suit at all times while on track. 1 piece suit AND 2 piece suits are allowed.

21. Racing shoes are mandatory.
22. Racing gloves are not mandatory but strongly encouraged.
23. Head & Neck Restraints are not required but **STRONGLY** encouraged. Horse collar restraints, Hans, NecksGen, and Zamp are all acceptable.

### **Engine**

1. Engine type that came in the car must be run.
2. Engine **MUST** remain in stock location with **NO** setback.
3. **ABSOLUTELY NO** aftermarket blocks , heads , or intake manifolds permitted. This includes **ESSLINGER**, Race Engineering, & **ANY** other performance company. Modifications of any sort are allowed on blocks, heads, and intake manifolds, however, they must remain the factory piece with part number or stamp visible.
4. Internal modifications are permitted. This includes but not limited to: pistons, rods, crankshaft, camshaft(s), lifters, valve springs, bearings, etc.
5. Aluminum Heads are only permitted on cars that came from the factory with aluminum heads. **NO** aftermarket aluminum heads permitted.
6. Fuel Injection permitted on cars that came from the factory with fuel injection. **NO** aftermarket fuel injection allowed.
7. Cold Air intake is permitted. Stock air box may be removed for placement of cold air intake.
8. Aftermarket headers are permitted.
9. ECUs are allowed to be programmed, flashed, chipped, or upgraded.

### **Suspension**

1. Stock suspension **ONLY** with the exception of aftermarket springs. Racing/aftermarket springs will be permitted.
2. Trailing arms, A-Frames, and other components may be altered, however **NO** adjustable suspension components of any kind will be allowed.
3. Shocks, Springs, and other suspension components **MUST** remain in their original, stock location.
4. Screw Jacks of any kind will **NOT** be permitted.
5. Strut towers and hubs may be reinforced or changed for extra strength.

### **Rear End & Transmission**

1. **ALL** transmissions must remain stock and completely unaltered.
2. **ABSOLUTELY NO** Bert or Brinn transmissions allowed.
3. For RWD cars, 8.8" and 7.5" rear ends **ONLY** will be acceptable.
4. **ABSOLUTELY NO** 9-inch rear ends will be permitted.

### **Body & Frame**

1. Stock frame **MUST** be used, with only modifications for roll cage placement.
2. **ABSOLUTELY NO** tube cars of any kind will be permitted.
3. Stock firewall must be used with any holes covered or patched.
4. Bodies may be constructed of steel or aluminum, with front fenders remaining steel, and roofs constructed of steel **OR** fiberglass.
5. Aftermarket replacement body panels of steel or aluminum are permitted
6. Aftermarket nose pieces are permitted.
7. AR Bodies components are permitted for competition.
8. Body may be of stock configuration or custom-built.
9. Doors must be welded, bolted, or chained shut at all times.

### **Tires, Fuel, & Misc.**

1. Street type DOT radial tires **ONLY**.
2. Hoosiers, American Racers, mud, snow, and any other racing tire is not permitted on the track.
3. 13" and 14" tires **ONLY** for Rear Wheel Drive cars.
4. 13", 14", and 15" tires **ONLY** for Front Wheel Drive cars.
5. Aftermarket or racing wheels are allowed. Maximum width is 8 inches.
6. Beadlock wheels are allowed on both front and rear wheel drive cars. Up to 4 beadlocks are permitted.
7. **ABSOLUTELY NO** chemical tire prep of any kind is permitted.
8. Fuel may be pump gas or racing fuel.
9. **ABSOLUTELY NO** methanol, alcohol, or nitrous is permitted.
10. Fuel may be stored in original, stock tank **OR** in aftermarket fuel cell placed appropriately in rear of car.
11. If aftermarket fuel cell is used, a firewall must be positioned between the cell and the cockpit.
12. Tow Hooks **OR** Tow Chains must be accessible in front and rear of car for towing access.
13. Raceceivers **MUST** be used at **ALL** times while on track.

### **Disclaimer**

1. The KDRA Mini Stock Rules Package has been designed in favor of our drivers, fans, and officials. These rules are meant to keep a safe, competitive, and entertaining racing environment for those in attendance. If one(1) of any of the above stated rules is ignored, violators will **NOT** compete until said rule is followed and understood. We take these rules seriously, and provide the understanding that each and every rule will be enforced.