

# FRONT WHEEL DRIVE CLASS

## Tech Rules:

- Must have race receiver and needs to work
- All four brakes must work or won't race
- Front & rear tow chains must be present. No D-Rings allowed
- Possible drilling of bodies & frames for metal thickness

## Race Officials will decide infraction of rules

### Number plate

- **3 sided number plate with 10" tall numbers – letters may appear behind number and must be at least 8" tall. NO four-digit number/letters allowed! Block letters recommended. NO OBSCENE WORDS OR CHARACTERIZATIONS OF ANY KIND ANYWHERE ON CAR.**
- **Must be black and white numbers! Either white number plate with black numbers or black number plate with white numbers. This is so the counters can easily read your number plates so you can be scored otherwise they will stop scoring you**
- **Please be sure your number is LEGIBLE so the scorer(s) can read it from where they are scoring**

### Body

- Must start race night with complete body – fenders, hood, doors, trunk lid, bumpers, etc...
- All glass, plastic, upholstery, lights, moldings, and chrome must be removed
- Car numbers on both side doors and on roof plate, (roof plate must be three sided) – Numbers must be 4x20 on both sides of vehicle and must be able to be read from stands and scorers location
- Car must be strictly stock. STOCK BODY. NO modifying of body
- All bodies must have steel firewall. All firewall holes and floor pan holes must be covered with metal. Aftermarket firewall OK but needs to be in stock location (straight across from bottom of windshield post)
- May have steel under the driver's seat and passenger seat and leg area from center of hump to rocker panel welded or bolted to body or cage
- Must have driver's door and may have on both sides, a single rub bar no bigger than 1"x3" and stretching no longer than from wheel to wheel and must be securely fastened. Must put 1/8" plating on drivers roll cage no longer then from post to post
- Both doors must be welded, chained or bolted shut
- **Stock size trunk lid must open for easy access – no bolts**
- Both doors can be reinforced from outside from rub rail down
- Driver and passenger compartments must be open. No enclosed cockpits
- No extra reinforcement allowed UNLESS between wheels on drivers side only
- Racing mirrors not allowed

### Roll Cage

- Full 4 point cage, door to door, firewall to firewall is required and mounted to floor prefer with 12" plate. 1 1/2" greater pipe, .095 or greater thickness is required, three drivers door bars are MANDATORY
- Minimum of 4-point cage securely welded to frame
- Rear kickers are allowed but must stay in trunk area
- Must have at least 3 driver's side door bars. Must be plated from front post to rear post.
- Roll bar padding wherever the driver can reach.
- Must have "X" brace between rear posts of cage
- Safety is priority. Cages will have inspection; cages appearing unsafe will not race.
- Head with helmet on must be below top of cage

## Bumpers

- Front and rear tow hooks mandatory
- All front bumpers must be mounted minimum six inches from front frame horns. Steel bumper mounts only. No sharp edges allowed on bumpers, rub rails, or bolts. One of two bumper options must be used and must be in OEM height: OEM bumpers no covered by plastic nose or tailpiece must complete, unaltered OEM, capped to fender with steel, welded or bolted. No bars past outside edge of body other than rub rails. Aftermarket fabricated bumper are allowed there are two options:
  1. 2"x3" box tubing 1/8" thickness
  2. 2-1 3/4" tubes no wider than 3 inches apartEither option must be capped on both ends and fastened to fender
- No reinforcing of bumpers
- Must be securely fastened to frame
- Bumper ends can be capped and welded to the body with small strips of metal no taller than bumper. Must have a chain or strap no longer than 2"x1/8" to fasten bumper to frame
- Plastic aftermarket noises and tailpieces allowed.
- Must start night with front and rear bumpers. If you lose rear bumper you may not race without properly fuel protection

## Radiator

- Radiator in stock location

## Engine

- 4 or 6 cylinders only, NO full size cars, NO superchargers, NO turbos
- Stock GM-GM, Ford-Ford, Mopar-Mopar
- Electric fuel pumps must have rollover or crash shut off
- Engine must be in stock location. Engine must appear OEM appearing and must be able to be used in conventional passenger car without alteration
- Transmission cooler allowed. If in driver's compartment no more than 4: of rubber line exposed and must be rated for transmission fluid
- No fabricated headers allowed. Stock exhaust manifolds. No aftermarket
- Engine gauges allowed (tachometer, oil pressure, water temp, etc)
- All ignition rotors, caps, coils and modules must be OEM appearing
- No porting, polishing, or alterations of any kind to heads or intake

## Fuel cells/tank

- Fuel tank may be left in stock location. Highly recommend to put fuel cell in trunk. Must be securely mounted with firewall with metal straps – NO ratchet straps or bungee straps allowed.

## Fuel

- No racing, aviation, or E-85 fuel. Pump gas ONLY.
- No scented or colored fuel
- Fuel lines inside driver's area must be inside metal tubing.

## Fuel cell protection

- May weld in a bar no wider then frame rails across back of trunk with 2 bars going down and 2 bars going ahead to frame or cage kickers to form a cage around fuel cell for protection. Bars can be no larger than 2". No required but recommended. If lose rear bumper may not race if fuel cell/tank is no protected.
- **Plate under fuel cell cannot be thicker than 10 gauge or 1/8" steel**

## Brakes

- All four brakes must work.

### **Battery**

- One automotive type battery – Must be covered.
- Must be securely fastened down with steel straps – no ratchet straps or bungee cords

### **Wheels and tires**

- Must be stock
- Snow tires legal
- NO chains or hubcaps

### **Driver protection**

- Racing seat mandatory
- Fire suits MANDATORY – TOPS AND BOTTOMS. Gloves and racing shoes are recommended but not required.
- Must have 5 point safety harness
- Closed face helmet and neck roll required
- Must have window next (may do both sides)
- Must have 4 vertical bars in front of driver. Must cover from cage post to center of windshield – min 3/8" rod.

## **Remember: Build the car for driver safety**

**There is no longer a 'free night' option – if you don't qualify for your class you can run up a class (if available) or load your race vehicle.**

### **AT BROOKLYN RACEWAY:**

- ❖ Maximum wheelbase 107 inches
- ❖ Only 4 cylinder in JR FWD
- ❖ CYLINDER HEAD MUST MATCH BOTTOM END. 2.2 BOTTOM END MUST RUN A 2.2 CYLINDER HEAD 2.4 BOTTOM END MUST RUN 2.4 CYLINDER HEAD