

# *Kenai Peninsula Racing Lions*



## **B STOCK RULES**

Update 2024

### **6. B STOCK**

#### **6.1 COMPETING MODELS**

- 1970 or newer standard size American made sedans and trucks. (2 or 4 door)
- Stock wheelbase will be 102" minimum to 116" maximum (+ or – 1")
- No convertibles, station wagons, four-wheel drive or front wheel drive allowed.
- Car must weight a minimum of 2900 lbs. wet with driver.

#### **6.2 BODIES**

- OEM factory steel
- Aftermarket steel replacement panels permitted.
- No fiberglass bodies permitted.
- All bodies must be mounted so that the car remains as close to stock appearing as possible.
- No Late model or Sportsman style bodies.
- Boxed interiors permitted with full floor pan in driver's compartment.
- Must have factory or plastic nose piece (NO OPEN FRONT ENDS).
- Must have factory or plastic tail piece. (NO OPEN REAR ENDS).
- Homemade nose and tail pieces permitted.
- Spoiler height- 8" of material maximum and no wider than the car.
- Spoiler braces- 3 braces maximum.
- Must be triangular, 8" high and 18" long at base.

- No glass or Lexan windows.
- No additional Lexan attached to body other than spoilers.
- No mirrors, radios or communication equipment allowed in car at any time.

### **6.3 FRAMES**

- Must be stock.
- Reinforcement of uni-body mandatory
- Rear of frame behind rear tires, no further forward than one inch behind factory seam, may be replaced in OEM location with two inches by three-inch steel tubing with minimum 0.095" wall thickness, same length as material removed.
- Factory seam must remain visible.
- Uni-bodies must tie rear frame to front frame.
- Frames may be "X" braced.
- Must have a tow hook on front and rear.

### **6.4 BUMPERS**

- Stock or basket type front and rear.
- 1-1/4" black pipe maximum for bumpers.
- Bumpers must be reinforced so that they will not fall off on impact.
- Nerf bars must be level with the center of axles plus or minus 8". Max 1" from body and a max OD of 1".

### **6.5 ROLL CAGE**

- All cars must have a 6pt steel roll cage protecting the driver's compartment. (See Safety Rules for Spec's)

### **6.6 IGNITION**

- Advanced kits permitted.
- Ignition booster or amplifier to ignition permitted.
- No MSD or racing aftermarket types (no amplified ignition).
- OEM ignition only.

### **6.7 ELECTRICAL**

- (1) one 12-volt type battery only.
- No dry cell battery pack to ignition.
- Alternator, if used must be wired to the battery.
- No loop system wiring to the distributor.
- All cars must have a starter in working order.

### **6.8 SUSPENSION**

- Must be stock locations.
- weight jacks are optional.
- Racing shocks, front and rear are allowed.
- Front shocks must be mounted to A-frame.
- Racing springs, front and rear are allowed.

- Tubular upper A-arms allowed, Non-adjustable.
- Aluminum and/or titanium components are not allowed. Magnet must stick to all components.

#### **6.9 SEAT**

- Type
- Factory built aluminum racing seat is required.
- Seat Belt
- Five (5) point safety harness required
- Mounted to roll cage by 3/8" grade 8 bolts minimum.

#### **6.10 STEERING**

- Must be stock locations

#### **6.11 REAR ENDS**

- All rear ends must be locked, welded, mini spool and posi.
- Ford 9" allowed with all makes of cars.
- Floater and/or Grand National rear ends allowed.
- No quick change.
- Rear suspension must match frame with stock mounts.

#### **6.12 RADIATORS**

- Stock
- Any Radiator is allowed.
- Location
- Must fit in stock location per year, make, and model.
- Coolant
- Water Only, Water Wetter-type additive is permitted.
- Overflow
- One (1) gallon capacity radiator overflow canister required.
- Must remain under the hood.

#### **6.13 WHEELS**

- Wheels must be approved racing type.
- Maximum wheel width is 10".
- Bead locks are acceptable, on all wheels.
- 1" lug nuts are mandatory on the right front.

#### **6.14 BRAKES**

- All 4 brakes must be working.
- Stock mounting locations.
- Brake bias allowed.

#### **6.15 TIRES**

- No lug or studded tire allowed.

#### **6.16 TRANSMISSION**

- OEM standard production 3 or 4 speed transmission only.

- Must have at least one forward and one reverse gear in working order.
- No special production transmission permitted.
- Automatic transmission permitted and coupler allowed.
- Automatic transmissions are recommended to have scatter-shields.
- Manual transmissions must have explosion-proof steel bell housing.

#### **6.17 CLUTCH**

- Multi-disc clutch permitted.

#### **6.18 FUEL DELIVERY SYSTEMS**

- Limited to one four-barrel carburetor only.
- No fuel injection, turbo, or blowers permitted.
- Carburetors must have casting lines in venturi.
- No polishing or porting of carburetors permitted.
- On standard type Holley's choke horn may be removed.
- No lower than the breather gasket flange.
- Mechanical or electric fuel pump permitted.
- Electric pumps must have an oil pressure shut off switch.

#### **6.19 FUEL CELL**

- Approved racing fuel cell required. Max 32 U.S. gallons.
- Must be securely mounted with two 1" metal straps in the trunk area of the car, inside metal box, if the floor pan has been removed.
- If the floor pan has been removed, the fuel cell is to be mounted not lower than the bottom of the frame rails.
- Gas only. Octane booster is permitted, No Alcohol, no nitrous oxide, no nitro methane, or other additives.

#### **6.20 FLYWHEEL**

- Steel or Aluminum flywheel permitted.

#### **6.21 INTAKE**

- Any single four-barrel intake permitted.
- Any size carburetor spacer will be permitted.

#### **6.22 DISTRIBUTOR**

- Advance kits permitted.
- Ignition booster or amplifier to ignition permitted.
- No dry cell battery pack on ignition.
- Alternator, if used must be wired to the battery.
- No loop system wiring to the distributor.

#### **6.23 STARTER**

- All cars must have a starter in working order.

- One (1) 12-volt type battery only.
- EXHAUST
- Collector type headers or cast-iron manifolds.
- No 180 headers will be permitted.
- Manifolds and/or headers must exit downwards.
- Exhaust must exit rear of transmission crossmember under rear of car.

#### **6.24 ENGINES**

- All engines have a maximum bore size of .060 over standard.
- Small blocks only. No big blocks.
- Drive train must be in the center line of car.
- Engines may not be crossed from one manufacturer's line to another...Chevy for Chevy.

#### **6.25 BLOCK**

- Standard production OEM cast iron V8 blocks only.
- Maximum cylinder bore size 4.185
- Ford 400M allowed.
- Chrysler 360 allowed.
- No aftermarket main caps allowed.
- Deburring block and plugging deck to strengthen block permitted.
- Plug or vent and screen oil drain holes in lifter valley permitted.
- May surface block.
- Lifter bore must be OEM diameter for engine.

#### **6.26 CRANK**

- Cast or steel crank only.
- Stroking or de-stroking allowed.
- No lightening or knife edging crank.
- No turning down counter weights or drilling crank pins.
- May balance engine.

#### **6.27 RODS**

- Stock appearing I-beam OEM design steel rods only.
- No stock production 6" Oldsmobile rods permitted.
- No sportsman type rods permitted.
- High performance rod bolts and nuts permitted.
- Polishing rods allowed.
- Pressing or floating pins permitted.

#### **6.28 CAM**

- Solid lift cam permitted.
- No roller or mushroom cam permitted.
- Firing order must be stock.

### **6.29 LIFTERS**

- Solid lifters permitted.
- No roller or mushroom lifters permitted.
- Lifter retaining tray permitted.
- Lifter must be OEM diameter for engine.

### **6.30 TIMING**

- Any chain and gearing.
- No gear drives permitted.
- No belt drives permitted.

### **6.31 CYLINDER HEADS**

- Emissions legal iron or aluminum heads.
- Chevy straight plug or angle plug.
- Ford and Chrysler angle plug standard production cast iron heads permitted.
- Bowtie, World Products, Engine Quest (EQ), W2 or Ford SVO heads allowed stock configuration.
- May surface heads (no CC limit).
- Steel valves only, no titanium. Maximum size for all engines:
  - 2.02 Intake maximum.
  - 1.60 Exhaust maximum.
- Allow for Ford stock valve size.
- Valve stem diameter is 11/32 minimum for all engines.
- Under cut stems permitted.
- Any type of guides permitted.
- Any valve springs and keepers permitted.
- Steel retainers required.
- Guide plates and screw in studs permitted.
- Roller rocker arms permitted at any ratio.
- No aftermarket shaft or pedestal mount rocker arm on chevy.
- If standard production heads came with shaft or pedestal mount rockers, they will be permitted.

### **6.33 HARMONIC BALANCER**

- Fluid damper permitted.

### **6.34 WATER PUMP**

- Cast or aluminum permitted.

### **6.35 OIL SYSTEM**

- Wet sump system only.
- No dry sump system permitted.
- Racing oil pan and/or windage tray permitted.

- Remote oil filter and cooler permitted.

### **6.36 GM CRATE MOTOR OPTION**

- GM P/N 88958602
- Must have factory GM seal bolts in location