

# 2020 Mod 4

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## Competing Models

- 1- 1972 to present four-cylinder passenger cars
- 2- No pickup trucks permitted
- 3- No four wheel drives
- 4- No rotary engines
- 5- No convertibles
- 6- No mid-engine cars
- 7- No Cosworth engines

## WEIGHTS

- 1- Minimum weight will be 2000 lbs.
- 2- Cars with a "cc" over 2000 will run one (1) pound per "cc"
- 3- A maximum of 58% left hand weight only
- 4- Weights may be adjusted for competition purposes

## ENGINE

- 1- Any 4 cylinder piston engine allowed
- 2- Any modification or parts that will fit inside the engine allowed
- 3- Maximum setback allowed for the engine will be six (6) inches measured from the centerline of the upper ball joint
- 4- Dry sump oiling systems permitted

## CYLINDER HEADS

- 1- Aluminum cylinder heads allowed
- 2- Steel cylinder heads will receive a 100 lb weight break

## INTAKE MANIFOLDS

- 1- Any intake will be allowed
- 2- Grinding, polishing, port matching, or any other modifications allowed on the intake manifold
- 3- A spacer plate may be used under the carburetor with a maximum thickness of two (2) inches

## EXHAUST MANIFOLDS

- 1- Headers allowed
- 2- Exhaust must exit behind the driver either out the side or turn down under the car

## FANS and RADIATORS

- 1- Electric fans may be used
- 2- Aftermarket radiator may be used, however the radiator must remain in stock location
- 3- No antifreeze permitted

## CLUTCH and TRANSMISSION

- 1- Bell housing must have a 2 inch inspection hole
- 2- All driveshafts must be painted white, and there must be two safety straps around the driveshaft, one in the front and one in the rear

## COMPUTER

- 1- MSD type ignition boxes may be used
- 2- Any other aftermarket system must be approved by OCS Officials

## CARBURETOR

- 1- Holley 500 cfm carburetor only
- 2- No 500 Ultra carburetor allowed

## BODIES

- 1- Aftermarket bodies permitted
- 2- Inner door panels may be removed
- 3- Fabricated dashboards are permitted
- 4- All glass must be removed. Lexan windshield must be installed and secured with support straps, no pop rivets
- 5- The battery must be mounted out of the driver's area in a steel container or battery box. The trunk area is the recommended location
- 6- Stock steel bodies receive a 50 pound weight break
- 7- Rear spoiler will be a maximum of seven (7) inches in height

## STEERING WHEELS

- 1- All steering wheels must be magnetic
- 2- All steering wheels must be equipped with a quick release coupling

## FRAMES and SUSPENSION

- 1- Tubular frames may be used
- 2- Sway bars may run heim joints instead of end links
- 3- Aftermarket parts allowed
- 4- Stock front clip cars receive a 100 pound weight break
- 5- Rear leaf spring cars receive a 50 pound weight break

## SHOCKS

- 1- Only one shock per wheel
- 2- Coilovers may be used
- 3- No travel limiting devices allowed
- 4- Big spring cars will receive a 50 pound weight break

## RIDE HEIGHT

- 1- Minimum ground clearance or ride height will be two (2) inches, this includes the frame, spoilers, body sheet metal and side panels

## WHEELS

- 1- Aftermarket steel wheels permitted
- 2- A maximum wheel width of 10 inches

## BRAKES

- 1- Aftermarket brake systems permitted
- 2- Rotors and drums must be magnetic steel
- 3- All brakes must be in working order

## REAR ENDS and DIFFERENTIALS

- 1- Quick change rear ends permitted
- 2- Stock type rear ends will receive a 100 pound weight break
- 3- Locked differentials permitted
- 4- Magnetic steel axles only

## FUEL SYSTEM

- 1- Fuel cells are mandatory. Maximum volume of 8 gallons
- 2- Fuel cells must be mounted in the center of the frame rails as far forward as possible. May be open in the bed area

- 3- A fuel cell protector bar height minimum of 1½ inches in diameter and a minimum wall thickness of 0.083 inches magnetic steel tubing must be used
- 4- The bar must extend below the frames section behind a fuel cell or the fuel tank
- 5- Fuel injected cars may use the stock gas tank and must run less than half capacity. A fuel line for these cars cannot run through the driver's compartment.
- 6- A minimum 8 inch ground clearance for the fuel cell

## Safety

### ROLL BARS

- 1- Four (4) point cages with curved door bars required
- 2- Roll bars must be welded and made of a minimum wall thickness of .090 seamless tubing
- 3- Roll bars must be at least 1 ½ inch OD
- 4- Roll bar may be extended through the firewall and loop around radiator
- 5- Roll bars may be extended to the rear deck
- 6- Fuel cell protector must be installed behind fuel cell
- 7- Right side cage must have 4 bars in the door area
- 8- Driver's door roll bars should have intrusion plates welded to the outside a minimum of 1/8 inch plates
- 9- Refer to the Whelen All American Series rulebook for cage construction guidelines

### SEAT BELTS

- 1- Seat belts must be a 5 point harness type
- 2- Seat belts must be in date in accordance with the manufacture date on the label. The belts may be recertified
- 3- Seat belts must not be mounted to the floor pan
- 4- Seat belts must not cross areas that may cut the belts, i.e. not across sheet metal attached to a roll bar
- 5- Seat belts must be replaced if they are worn or the edges are frayed

### SEATS

- 1- Aluminum factory made racing seats required
- 2- Absolutely no homemade seats
- 3- Seats must be mounted in a manner acceptable to OCS Officials
- 4- Seats may not be mounted to the floor pan

### WINDOW NETS

- 1- An OCS approved window net must be installed on the driver's side window

- 2- Window net must release from the top and drop down
- 3- Window net bars must be substantial enough to contain the drivers arms in the event of a roll over

#### FIRE EXTINGUISHER

- 1- All cars must have an onboard fire extinguisher
- 2- Extinguisher must be mounted so the charge gage can be checked by OCS Officials
- 3- Out of date fire extinguishers are not allowed

