

## **Builder Class 2020**

### **Cages**

1. Cages are allowed, Dash bar 2" Min and 5" Max diameter is allowed with one kicker on each side to go from just behind control arms to dash bar, max of 1- 2x2 on each side.
2. Behind seat bars and door bars allowed 2" min and 5" Max diameter and cannot be attached to frame. Must be securely fastened or you will be told to remove it.
3. It is allowed to have 2" down bars from the Dash bar and behind the seat to the frame. Two off of dash bar and two off cross bar behind seat.
4. Dash bar may connect to the firewall in 2 spots 3"X1/4" max flat stock and cannot be placed within the dp. If you have a dp or mid plate, dash bar must be 6" away from firewall. Tranny/Bell housings must be at least 2" away from dash bar or any part of the cage. Dash bar must be at least 2" away from dp.
5. Halo bar no further back than 15" from center post on 4 door cars or 8" on 2 door cars. Can be welded to frame and bolted to roof. Halo bar can be attached to the door bars.
6. You can have 4 down bars from the door bars only located within the front doors and straight down to rocker area to sheet metal only.
7. You can run a gas tank protector that must mount from the behind the seat bar 30" wide and can go to the sheet metal but must be within the frame rails and within cab compartment with no down bars and be off the floor 2".
8. If you run a Halo bar down to the frame it counts as 2 of your down bars.
9. Total of 4 down bars to frame, and total of 4 down bars to sheet metal.
10. Extra reinforcing on drivers doors is mandatory. We want you to be safe and protected behind your reinforcement. All doors may be welded solid with 3" X 1/8" thick strap or chained shut.

### **Hoods and Trunk lids**

1. Hood may be bolted in 8 spots; 4 to the frame and 4 to the sheet metal. The rod may run down through frame with washers on top and bottom. No larger than 4" x 4" washers.
2. The back hood bolts can have a 4" X 1/4" thick triangle to help attach the rod to the frame on top.
3. Trunk lid may be welded solid with 3" X 1/8" thick strap or bolted every 3". Trunk may be bolted in 6 spots; 4 to frame and 2 to sheet metal.
4. Trunk may have a 10" X 4" 1/4" strap from bumper to the trunk.
5. You may tuck trunks. No sedagons, decking must be removed.

### **Frames and Body Bolts**

1. Frame can be welded from the firewall forward, top and bottom. Body seams can be welded; 6 on, 6 off. K frame can be welded solid.
2. May take out pucks and replace with 1" bolts.
3. Y framer can plate the y's with a 1/4"X16" plate, top and bottom and must touch the bumper.
4. 03 and newer can do a cradle swap with no torsion bars added.
5. Body bolts – You may remove pucks, front and back. You may add 3 extra body bolts per side which can also go to frame with a max of 6"X6" washer. All bolts can be a max of 1".
6. All Frame holes must remain open.

### **Core supports and cooling**

1. Core support may have a 2X2 1/4" angle iron on the top of core support from fender to fender.
2. Radiator barrels or water barrels are okay.

3. Radiator Barrels must be factory size; cannot touch the frame in anyway; cannot be welded to the angle iron at all. Radiator protector plate can only be not more than 1/4 thick plate and must be attached in the same manner as a radi barrel.
4. Bolted in 4 spots to core support or 4-4" welds to core support to hold it in place. Water barrels may be used but not both.
5. Max size of water barrel is 24" x 24" x 24" must be able to see all the way around barrel for inspection. Mounted by bolting through floor with washers- No welding washers.
6. May be braced forward to cage bar, no bracing to rear of car.
7. Must run vent tube under the car.

### **Fenders**

1. May bolt fenders to wheel well up to 3/8" bolts, front and back. May fold fenders and weld. If you weld them, you can't use the bolts. If you bolt them, you can't weld them.
2. You may weld the front clip solid.
3. The fenders can't be welded to the frame.

### **Windows**

1. Windshield may have 2 bars 3" wide 3/8" thick max. no more than 6" on the firewall and 6" on the roof. May connect with 2 bars 3" by 3/8" max.
2. Cannot be connected to any hood or trunk bolt. Rear window may have 1-3" C channel by 3/8" max. No more than 6" on roof and 6" on the trunk or speaker deck.
3. You may have 9 wire in 2 spots in each window.

### **Bumpers**

1. Bumpers may be bolted or welded solid. You may fully weld bumpers and brackets. Brackets on one side of frame only, either factory or 4" x 3/8 flat stock that follow the contour of frame to the furthest forward point of factory location of A arms.
2. Nothing can be put inside of frame to mount the bumper unless it came from the factory with it.
3. Bumpers are interchangeable with any mass produced car bumper.
4. Stock appearing bumpers; we will allow you to take any bumper apart, weld any material you would like to the inside of bumper and weld the chrome back on. Everything must be done inside of bumper, nothing on the outside.
5. No Home made pointy bumpers.
6. Old style Birds may add a 4 x 4 beam between frame rails but in line with core support. Beam cannot go farther back than factory core support location.

### **Drive Train**

1. Motor and tranny of choice; in stock location.
2. Maybe welded or chained, the motor tie-down cannot exceed in front pulleys or 2: behind the heads to top or side of frame, 2X3/8" flat stock and cannot be laid flat on frame.
3. Mid plates cannot be tied to the frame in any way or be wider than the motor.
4. If you have a tranny brace, it must be mounted to cross member with factory tranny mount, free floating or 1 bolt or chained and dash bar must be 2" away from tranny tunnel.

### **Suspension**

1. Rear suspension must remain stock, 80's and newer may leaf or run a 22" hump plate that has to follow the outside contour of the frame.
2. Full floater rear ends are okay, double coils are okay on coil cars. Leaf spring cars have up to 9 leafs per side and may be clamped in 6 spots per side.

3. Must be factory springs out of a car and cannot be home made.
4. Rear end may be chained in 2 spots per side of car.
5. Coil springs may be wired in.
6. Upper and lower trailing arms maybe reinforce, but they still have to function in a factory manner.
7. The front suspension may be welded with 2 -2"X5" straps, Do not strengthen frame you can bolted or use spring spacers for height.
8. Tie rods may be reinforced, but must function in a factory manner.