

## Compact ELITE Division Car Building Rules

Sanctioned by D.E.M.O.

[www.demo-motorsports.com/](http://www.demo-motorsports.com/)

### Competition Format

(40) Two-man teams – 8 Heats consisting of 5 teams in each heat with the winner only advancing to the feature. Multiple Consi's will be ran with each Consi taking only 1 winner. Expect the Consi's to have more teams than the heats.

### General

Any 1980 and newer front wheel drive car that came with (6) cylinders or less. No full frame cars. PT Cruisers are permitted. HHR are not. No other modifications will be permitted unless stated in the following rules. Cars must have a 12" by 12" roof sign with a clearly visible number from the stands. Cars must be painted in at least 50% contrasting color.

**There are zero gray areas in these rules. If it does not say you can do it, then it must stay stock.**

### Fresh Cars Only

You will be aloud (2) 4x4 inch by ¼" fix it plates prior to the show. Plates may be bent but anything you cut off, you lose and it can not be used anywhere else.

### Stripping Car

All interior items except dash and necessary items (pedals/seats/shifter etc..) must be removed. All glass must be removed from the car. Air bags must be removed. Aftermarket shifters may be used but must hookup to the factory cable. All other factory components unless mentioned must remain operational and in their original location. No spray foam may be used. Wiring harnesses that are in front of the core support may be relocated behind core support. Battery must be relocated inside of the car to the passenger floorboard. Wiring harness may be simplified. Carb conversions will be allowed. A very simple carb protector is allowed. Do not go overboard on this. Aftermarket pedals are aloud. Hood/Trunk latch must be removed. Catalytic converter and forward part of exhaust may stay in place. No using seatbelts or wire from roof to body.

### Hood

Hood must have a 12" hole in the center of hood. The hood and trunk must be open for inspection. Hood and trunk may be wired shut in 6 spots sheet metal to sheet metal. (2 strands max) You may remove trunk lid completely if you choose.

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## **Doors**

Drivers' door plate is mandatory. No other door plating will be permitted. Drivers' door plate must a minimum 1/8" thick and up to 3/4" thick and run the entire door length/width. This may be welded and overlap the door seams up to 2 inches on front fender and rear door.

All other doors must be wired or welded shut in a min/max 8 locations per door. If you are using wire these strands may max 2 loops (these wires must be within 4" of door seams) and if you are using strapping a maximum 3 by 3 inch by 1/8<sup>th</sup> flat plate is permitted to be used. All plates must be on the door seams.

## **Quarter panels/Trunk Lid**

Rear quarters only can be creased. No cutting, wedging, bending any other sheet metal material. Quarters must remain vertical. Trunk may be wired or welded shut in 6 spots only, sheet metal to sheet metal only. If you are using wire these strands may max 2 loops (these wires must be within 4" of trunk seam) and if you are using strapping a maximum 3 by 3 inch by 1/8<sup>th</sup> flat plate is permitted to be used. You can NOT go around the frame or bumper. Trunk lid must remain factory to make and model of car; you can tuck it, cut it in half or remove it completely. Trunks also may be folded down with a 90 degree bend in the center; in this case 1/2 of the trunk must remain on the factory drip edge. Do not alter the Rear speaker deck at all.

## **Window Wire**

Front Window - You may use #9 wire in the front window area. (1) spot only. This wire may only go from the roof to cowl in the front window. No thicker than 4 total strands.

## **Rear Window. (back glass)**

You will be permitted up to a 3 inch by 1/4" max strap to welded to the roof and speaker deck. The first 5 inches will only be permitted to be welded on the roof. The first 5 inches on the truck lid where it meets the speaker deck may also be welded. Nothing beyond mentioned above.

## **Bumpers**

Front bumpers may be replaced with any stock (loaded) or aftermarket replacement replica bumper. No Chrysler pointy's will be permitted factory or replica. Square tubing bumpers will also be permitted but can be maximum 2" wide by 6" tall. Tubing is to be no thicker than 1/4 inch thick.

Bumper may not exceed past the front tires in width. If a point is added it may not exceed 8" to the point and must span over 30" from the middle of the bumper. (15" both ways) Crush boxes may be removed, and the bumpers may be hardnosed. The core support must stay in factory location and cannot be altered at all. A 5" by 5" by 1/4" mounting plate may be used; this must be flat on the back side of the bumper. This is to give you a flat surface to mount to the frame. This is NOT a frame plate of any sort.

You may add (1) 3" by 6" by 1/4" plate, welded flat on 1 side of the frame only - Per frame rail. This will be measured from the back of the front bumper.

Do not weld bumper or brackets or plates to radiator support.

Rear bumpers may be replaced with any 1980 and newer compact bumper only.

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## **Cage/Gas Tank**

Rear seat bar and roll over bar are mandatory cage components. No other cage component will be permitted besides a gas tank protector and what is defined below. A "simple" 4-point cage consisting of a dash bar, two sidebars, and a rear seat bar. 4" by 4" cage max. All cage components must be at least (4) inches off the floor. The cage must stay within the passenger/driver's compartment. Sheet metal to sheet metal only. The Dash bar must be 4" from the fire wall or tranny tunnel sheet metal. The sidebar may not go further forward than the Firewall And no further back than 10" behind the B pillar or center of rear doors. You may have (2) 10" by 10" mounting pads for this bar. Rear Seat bar cannot be located any further back than 10 inches behind the B pillar or the middle of the rear door. Gas tank protector. This is for mounting gas tank. Not strengthen the car. It must be connected to rear seat bar. May not be wider than 24 inches. Must remain 4 inches off the floor and can not extend past the front of rear speaker deck or the front of the rear package tray.

One gusset per corner of cage; must be within 6" of the corner and meet all cage specifications. Anything welded vertical on gas tank protector must run straight up and down no part of the gas tank protector can extend beyond 6 inches above the top of the tank. Roll over bar must be mounted to rear seat bar and run straight up and down. It may not be angled.

For safety you may have (1) 2x2 inch tubing going from middle of halo bar to gas tank protector.

## **Rear Frame/Unibody**

May be notched/dimpled but may not be rewelded.

## **Front/Rear Suspension**

Spring risers may be used. 1 per strut. Car must have suspension bounce. Broken tie rods may be welded but no adding steel or strengthening in any way will be permitted.

## **Gas Tanks**

Gas tank must be moved inside of the car. Tanks must be made of steel/aluminum. Gas tanks must bolt in 4 locations on gas tank protector. Gas tank or protector may not strengthen that car in any way. All hoses must be double clamped at all connections. Electric fuel pumps must be operated by a switch that the driver can shut off in case of a fire. You must paint switch prior to inspection.

## **Tires**

After market tires are allowed. No solid tires permitted on the front. Solid tires are permitted on the rear. Doubling tires are allowed. Rims will be permitted to use small weld in centers, 1 inch rim lip protectors and valve stem protectors only. No bead locks will be permitted.

## **Drivetrain**

Cross breeding of drivelines will not be permitted. The engine must mount with stock mounts in the factory location. Aftermarket radiators will be permitted. Mounting of Radiator You will be

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permitted (2) strands of #9 wire or ratchet straps or bolt it back in, in factory fashion using factory components.

Headers are permitted. Headers must point straight up out of the hood. No other modifications other than a general tune up. Again a very simple Carb protector is allowed. This will not strengthen car in any way.

### **Rust**

A phone call to the head inspector must be made prior to fixing any rust on body and/or frame. Head inspector will provide direction on how repairs are to be made. The conversation will be documented. No car will be allowed to compete if rust repairs are made without having a pro-active conversation with head inspector. This rule will be strictly enforced.

### **After Heats**

You will be allowed to add (2) fix it plates to your car in any configuration for the Consi. Any feature car will be allowed up to (6) plates total. This includes your two starting the show. You may receive (2) for the consi and then (2) more for the feature. Plates cannot be cut in multiple pieces to increase number of total plates. Plates will be 4x4 inch by ¼ inch thick. Repairs beyond fix it plates must be approved by the head inspector prior to feature.

All repair plates after the first (2) you come with must be purchased from D.E.M.O. at the show.