

2018 FOUR CYLINDER REAR WHEEL DRIVER CHARGERS SPECS

ANY FOUR CYLINDER PISTON TYPE ENGINE REAR WHEEL DRIVE CAR.
NO CONVERTIBLES, PICKUPS, FOUR WHEEL DRIVES, OR JEEP TYPE VEHICLES

MINIMUM WEIGHT 2300LBS WITH DRIVER

MAXIMUM STOCK WHEEL BASE 105'.

ENGINES: FORD 2.3 CHEVY 2.5 CHRYSLER 2.5

STOCK means Factory or Aftermarket OEM Parts with No Altering Of Any Kind, Unless Specified.

ENGINE AND TRANSMISSION:

*The engine must be strictly factory stock for that make and model of car (rod, piston ect.) and in its original location.

*No engine changing.

*No dual overhead cam engines

*Two solid motor mounts allowed

*Maximum .060 overbore

*No solid or roller cam

*Maximum cam lift .480.

*No adjustable cam sprocket.

*Heads Must remain Stock.

*No polished or deburred heads

*No Strapping/Modifying Cam Towers of any kind

*Cam Towers May have a Set Screw/ Threaded Plug only, No Welding Holes Shut

*Shaving/Truing up of Heads To fix any Defects Allowed

*No Slanting/Angling of heads, The Right Side Must match the Left Side within .005 Tolerance

*No Double Valve Springs

*Steel Valves Only (Magnet Test)

*No altering crank shaft (welding, grinding, ect).

*No fuel injection of any kind.

*Electric fuel pumps allowed. Electric fuel pumps must be mounted under the hood and it must be connected to an oil pressure safety switch.

*Stock drive train only, no aluminum driveshaft's.

*Radiator and oil coolers must be mounted in stock location.

*One maximum 500 CFM Holley carb only. Carburetor spacers 1" MAX ALLOWED.

EXHAUST:

*Stock Headers 1.25, or Stock Manifold 1.50 Only

*Stock Exhaust Only

*Muffler optional

*Exhaust must extend outside the body or past the drivers compartment, if run through the drivers compartment it must be shielded.

REAR ENDS:

- *Stock rear and housing.
- *Rear may have spider gears welded.
- *No Spools of any kind allowed.

TRANSMISSION:

- *Stock transmission and clutch. No Racing Clutches
- *Stock Flywheel for that make and model of car, No aluminum
- *Must have all forward and reverse gears.

SUSPENSION:

- *No modifying of the suspension. Suspension parts must remain absolutely stock for that year, make, and model of car.
- *No spacers, lumber, or chains, ect. may be used to alter suspension of that car.
- *Racing springs will be permitted.
- *No cut springs, no adjustable struts, no coilovers

TIRES and WHEELS:

- *Tires must be stock passenger car tires only. No truck tires, snow tires, recaps, racing or trick gumball tires of any kind.
- *7" and 8" wide Wheels Only
- * 60, 65, 70 and 75 series DOT tires Only.
- *13" and 14" diameter steel wheels only.
- *Steel Racing wheels allowed, No aluminum, mag, diecast or trick wheels.
- *if using stock wheels you must reinforce both right side wheels to prevent their loss.
- * May reinforce wheel lip with 1/2" rebar or round stock. Weld must be smooth.
- * No screws/Studs
- *No filling of tires with anything but air.

BRAKES:

- * Brakes must be in good working order at all times.
- * Stock brake system must be used for make and model of the car being used.
- * No aftermarket inline proportioning valves allowed. May disconnect right front brake.

FUEL CELL:

- *Fuel cell mandatory.
- *Must be securely mounted in trunk area. If plastic fuel cell is used, it must be completely enclosed in metal.
- *Steel fuel line or flex steel may be run inside car, but must be enclosed in rubber and sealed at both ends.
- *Fuel line check valve is mandatory
- *Fuel shut off mandatory.

FUEL:

- *No racing fuel, alcohol or any additives
- *Pump gas only- 94 octane maximum.
- *Fuel testing may be done at the discretion of the track tech director. Any fuel in question after initial test may be further analyzed by an outside lab and your payoff will be held until the results of the testing are final. If fuel is found to be legal, you will be paid at the next event. If fuel is found to be illegal, you will forfeit all moneys earned for that event and lose all accumulated points for the season. You will also be required to pay a fine that will be equal to the cost of fuel analysis (approximately \$200) before driver may return to competition.

ROLL CAGE AND BRACING:

- *Roll cage must extend 3" above the drivers head.
- *Roll cage must be 1 ½ OD minimum tubing, minimum .095 wall tubing.
- * Roll cage must be securely welded to the frame or plate welded to floorboards at rocker panel on 6" x 6" plate minimum.
- *Sub frame may be tied together.
- * Roll cage must extend from windshield to rear of drivers compartment with a look at the front and rear.
- * A 1" pipe must be welded to roll cage in center of windshield opening.
- *Door bars and bracing must be minimum of 1 ½" .095 tubing.
- *Driver's area must have approved padding on roll cage and door bars.
- *Two bars may be added from dash area to front in line with frame but stop 6" from rear of bumper and two bars from back of roll cage to rear of car not attached to bumper (must be inside body) no down bars.
- * Racing seat is mandatory and must be securely attached to roll cage in stock location.
- *Seat belt must be securely attached to roll cage, if bolted minimum 3/8" bolt required.
- *One non visible bar may be used to protect radiator, it must be mounted between bumper and hood, not to protrude past bumper, 1 ½" tubing max.
- *Bumpers may not be re-enforced. No Sharp edges on bumpers at any time.
- *Bumpers must be stock width and height and be mounted in stock location.
- *Front and rear bumpers must have a bar attached to the ends that goes back into the body or attached to the frame.
- *No trailer hitches may be on the car at any spot
- *External rub rails allowed must be tight to the body.
- *We highly recommend that you do not use filler of any kind in the body or frame of the car.
- * May reinforce lower radiator support with 1" by 1" steel Angle iron, Must be 1/8" or 1/4" Thick, Can only be around Left/Right side and the Bottom of the Radiator.

INTERIORS:

- *All interior glass and all flammable parts must be removed.
- *The stock steel unaltered floor pan, firewalls, trunk, trunk floor, and wheel wells must be retained.
- *No built up interiors of any kind.
- *No mirrors allowed.
- *All holes in driver's compartment must be filled in with metal.
- *Windshields must have heavy screen. No windshields
- *No plexiglass anywhere

BODIES:

- *Cars must remain strictly stock.
- *No plexiglass anywhere on body
- *Aftermarket nose and rear bumper covers are allowed.
- *No interchanging, no cutting, no chopping, channeling or shortening allowed.
- *Body sheet metal must be in place at start of race.
- *All glass and lights must be removed.
- *All doors must be welded or bolted shut.
- *No holes in the hood. Only Holes Allowed in hood is for the Hook loops
- *Hood must be kept in place at all times.
- *No hood scoops of any kind allowed.
- *If front and rear bumper covers are used, a visible chain or cable must be securely fastened to bumper for easy wrecker hook up. OR Must Have Hook Loops Welded to the frame under the hood and Welded to the frame out the trunk lid.
- *Spoiler may measure not higher than 4" from the bottom of the spoiler to the top.
- *No steel plates to reinforce body or chassis.

MISCELLANEOUS:

- *Battery may be moved inside of car, but must be covered and securely fastened with a metal hold down over the battery.
- *No add on weight on any kind is permitted at any time.
- *Any loss of a wheel/tire requires that you leave the track.
- *Car must be painted in a respectable manner.
- *Car numbers must be at least 18" high on both sides of the car and on the roof.

SAFETY:

- *Approved fire suits are required.
- *Racing gloves and neck collars must be worn at all times, including warm ups.
- *Window nets OR arm restrains are mandatory.
- *Snell 2000 (Sa2000) helmets or newer with approved face shields. Recommended SA2010 or newer when buying new.
- *Approved 3" safety belts and shoulder harness required and must be in good condition.
- *Shoulder belts must be supported at shoulder height by a bar in the roll cage.
- * Racing seat is mandatory and must be securely attached to roll cage in stock location.
- *Must be high back seat and have head rest.
- * Fire extinguisher mandatory.

THE INTENT OF THESE RULES ARE TO KEEP THE COST OF THIS CLASS IN LINE. THIS CLASS IS DESIGNED TO BE AN INEXPENSIVE, FUN, COMPETITIVE GROUP. ANYTHING NOT COVERED IN THESE SPECIFICATIONS WILL BE TO THE DISCRETION OF THE TRACK TECHNICAL PERSONNEL WITHOUT RECOURSE FROM ANY DRIVER OR OWNER. ALL SPECIFICATIONS ARE SUBJECT TO REVISION