

2.810 CAR DESIGN RULES

- Maximum tire diameter – 4”
- Tires can only be manufactured with the supplied neoprene material
- You must use the supplied electronics no substitutions are allowed
- Battery, Motor controller, Transponder, Receiver & servo must be located in the control box
- There can be no modifications to any of the electronics or motor
- You may only use the supplied gears
- Each team is allowed \$20 per car to purchase items & they must be purchased by Bill, you cannot use your own money to purchase items
- Should you want to use 2 sets of gears this will use your \$20 per car budget
- Each team car must be identical including the amount of parts
- Chassis must be cast
- Cars must contain at least one each of the following process’: Casting, thermoform, sheet metal & machining. Exceptions can be made to this following a review with Bill & Prof. Gutowski except for the casting of the chassis
- Rapid prototype parts are not allowed
- The control box does not count toward the # of parts as this is 1 item, it will be reviewed for design for manufacturing
- Minimum I.D. radius on your cast chassis is .250”