

2.810 CAR DESIGN RULES

- Maximum tire diameter – 4" / Maximum waterjet cut time allowed is 45sec per tire.
- 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
- Cars must contain at least one each of the following process': thermoform, sheet metal & machining. Exceptions can be made to this following a review with Bill & Prof. Culpepper
- 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
- DO NOT cut any wires on the RC electronics if you need to please see Bill first
- Only use the screw supplied with the servo attachments using any other screw will damage the servo.