

# VALVE COVER RACER RULES

## The Course

- The course shall consist of a launch incline eight feet long, followed by a level run of twenty feet.
- The launch incline shall be divided into two lanes, each 18-24 inches wide. The incline shall be two feet high at the rearmost part and level with the course at the front edge. The front edge shall be mitered so as to provide a smooth transition from the incline to the run out area. The official "Starting Line" shall be two feet from the rear edge of the incline. A mechanized starting gate may be provided.
- The run out section of the course shall consist of two lanes, each three feet wide. The lanes shall be clearly marked.
- The finish line shall be marked twenty feet from the front edge of the launch incline.

## The Cars

- The cars shall have no power source. All motive force is provided by gravity.
- Cars shall be based on an actual valve cover from a British automobile engine, (Preferably MG).
- Wheelbase shall be no more that twenty-four inches.
- Wheel track shall be no more that fourteen inches.
- Cars must have four wheels, each no more than six inches in diameter.
- There is no weight limitation or restriction.

## The Races

- Cars will be run in heats of two cars each.
- One alignment run down the course will be allowed prior to each heat.
- The cars are to be launched with their front wheels on the starting line. If your car design does not allow this, it is to your disadvantage. The first car to have its front wheels cross the finish line is the winner of that race. If neither car makes it to the finish line, the car going the furthest, in its lane wins.
- If the wheels of a car should touch the lane markers, or cross over the lane marker, the car shall be disqualified. The competing car immediately becomes the winner for that race, even if it subsequently touches or crosses the lane markers as well.
- The car that wins two out of three races in that heat will be declared the winner and will advance to the next round until all are eliminated except one car.

**BUILD YOUR CAR, RACE and HAVE FUN**