

# Maintenance Mania® 2009-2010

## Philips Race Car Competition

1. The cars will race down a Pinewood Derby style racetrack with two lanes.
2. Automatic timers are installed on the track to ensure accurate timing.
3. The sidewalls extend ½" above each lane.

### Race Car Check-In Requirements

1. Maintenance Mania National Championship Qualifying and local competitors must build a race car individually.
2. Competitors are all allowed to conduct trial runs on the track prior to the official competition to make adjustments to their alignment.
3. Once car testing is complete the check-in process begins.
4. All cars are to be measured and weighed and must conform to the following specifications:
  - Length – maximum 18"
  - Width – maximum 6"
  - Height – maximum 6"
  - Weight – maximum one and one-half pounds or 24 ounces
  - Race cars can only be gravity powered
  - Race cars must use at least **three** maintenance supply parts (wood does not count)
  - Approved competition wheels must be used
5. Race cars that pass the check-in process are placed in quarantine.
6. Make sure the race car is not tampered with after the check-in is complete.
7. Race cars that do not meet the size, power or material specifications will be disqualified. National Championship Qualifying participants will receive a total time of 20 seconds for the race car event if their car does not qualify.

### Race Car Competition Completion Requirements

1. Competitors race cars twice, once in each lane.
2. The car crosses the finish line under its own power; otherwise it receives a total time of 10 seconds for that run.
3. Total event time is the total time of the two runs.

### Race Car Awards

Competitors may be recognized with awards for the fastest car as well as these categories:

**“Best Use of Maintenance Supplies”** – The race car must include the use of at least one plumbing, one electrical, and one hardware part to be considered.

**“Peoples Choice”** – Voters will consider the use of maintenance supplies, overall design, creativity and originality. All attendees at the Maintenance Mania event will have an opportunity to vote for the Peoples Choice Award if offered by the Association.