

The Home Depot Supply Racecar Competition Specifications	
Racecars	<ul style="list-style-type: none"> • Participants will build and race a car of their own design. • Maintenance Mania General participants can build a race car individually. • Maintenance Mania National Championship Qualifying Competitors must build a racecar together. • Be creative!
Racecar Wheels	<ul style="list-style-type: none"> • The Maintenance Mania committee will provide the wheels for the racecar and the participant/team will supply everything else. • All cars entered in the racecar competition must use the wheels provided by the Association.
Racecar Materials	<ul style="list-style-type: none"> • The racecar must use at least one maintenance supply. • Use maintenance supplies to build body parts, accessories, engines, scoops, whatever! • The cars will be raced down a ramp, so also keep speed in mind if you want to win the Maintenance Maniac award.
Racecar Axles	<ul style="list-style-type: none"> • Axles are not provided by the local affiliate • Alignment is very important in ensuring the racecar will run straight down the track. • Axles need to be parallel to each other and perpendicular to the car for the best performance by staying off the sidewalls which increases the run times. • Axles are typically a 1/8" diameter rod (purchased at hobby store, welding rod, 8d nail, etc). • The rod can be placed in a hole drilled in the body. • Participants can add a bearing sleeve of some sort (1/8" diameter brass or nylon tubing) • Participants may drive nails through the wheels and into the body of the car for a simple axle. • The wheels will usually "friction fit" onto a 1/8" diameter rod and stay attached to the axle. • Participants may glue the wheels on to the axle • Participants can lubricate their wheels with solid lubricant such as powdered graphite. Many hobby shops carry lubricants for Pinewood derby cars. • Liquid lubricants such as wd-40 and 3 in 1 are not allowed as they create a mess on the track and the overall venue.
Racecar Track	<ul style="list-style-type: none"> • The cars will race down an official two-track Pinewood Derby style race track. • Automatic timers are installed on the track to ensure accurate timing.
Racecar Specifications	<ul style="list-style-type: none"> • To qualify for the racecar competition, racecars must not exceed the following size limits: <ul style="list-style-type: none"> • Length – maximum 18" • Width – maximum 6" • Height – maximum 6"

	<ul style="list-style-type: none"> • Weight – Maximum one and one-half pounds or 24 ounces • Racecars can only be gravity powered.
Racecar Testing and Check-In Requirements	<ul style="list-style-type: none"> • Participants will have the opportunity to conduct test runs on the track prior to the official competition beginning. • Participants may make adjustments to their racecars during the trial runs. • Racecars must be checked in prior to the competition beginning. • Racecars that do not meet the size, power or material specifications will be disqualified. • The racecars will be quarantined after check-in to prevent any alteration prior to the races.
Competition Requirements	<ul style="list-style-type: none"> • Competitors will race their racecar twice – once in each lane. • Total event time is the total of the two runs.
Racecar Competition is complete when:	<ul style="list-style-type: none"> • The car crosses the finish line under its own power. • Cars that do not cross the finish line are disqualified from the competition.
Racecar Awards	<ul style="list-style-type: none"> • Maintenance Maniac Awards are presented to the 3 fastest racecars. • Additional awards for the Racecar competition may be awarded for “Best Use of Maintenance Supplies” and “Peoples Choice”. <ul style="list-style-type: none"> • “Best Use of Maintenance Supplies” – The racecar design must include the use of at least one plumbing, one electrical, and one hardware part to be considered for the “Best Use of Maintenance Supplies” award. These can be used in any manner, as long as the vehicle meets the size restrictions. • “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.