



CUBMOBILE Race Car Building Specifications

Cubmobile specs:	<p>The plans found in the LEADER HOW-TO book or the BEAR book should be followed for dimensions.</p> <ul style="list-style-type: none"> • A car should have 4 wheels, no larger than 10" in diameter with an outer tread of 36" or less. Tires may be solid or filled with air (no air facilities on race day). • Overall length is a maximum of 5 feet; wheelbase maximum of 4 feet. • Front axles must be blocked to prevent oversteer. Steering should be with a rope and foot controlled. If threaded axles are used the nuts must be secured with a cotter pin. • Brakes are required. Rubber pads on the brakes work better than brakes without pads. • Cubmobile frames are built with construction lumber, minimum 2x4 dimensions. • A seatbelt is required. • Cars will be started from a ramp so no propulsion devices allowed. • Construction should be with bolts or screws, nails will not hold. • Optional footrests are suggested. • Cars will be inspected before racing begins.
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Practice:	<p>It is strongly suggested that the scouts practice before race day so they can get used to steering (and, more importantly, braking). Scouts that practice before the race tend to have better times, have fewer mishaps. Remind the scouts that feet are not brakes.</p>
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CUBMOBILE. Use a helmet and safety belt.

