

Cart Construction/Safety Equipment

Carts should be as close to specifications and picture as possible. ALL cars MUST pass a Pre-Race inspection prior to racing.

Wheels

Wheel diameter must not exceed 12"

The outside circumference of the wheels may vary from 30 to 36"

Tires with bearing will be allowed

Axles should be lag type fastener – however straight axles will be allowed if affixed correctly and in a safe manner.

Frame

2X4 construction grade lumber only; NOT 4X4, 4X6, or 6X6 etc.

Maximum car length is 5'-0" (Including wheels)

Car width must be between 30" and 36" (Outside of wheels)

Wheel base may not exceed 4'-0" (center-to-center of wheels)

Frame must be bolted together. Remaining items can be attached with screws as long as parts are held secured.

NO NAILS

3/8" plywood minimum

Steering Blocks

Car must be equipped with steering "safety" blocks to limit turning radius

Maximum gap between frame and block is minimum 1/8 " on both sides

Steering

Car is controlled with a rope connected to the outer ends of the front axle

Scout may also use their feet on the front axle to assist steering

Ensure rope is of adequate size for a comfortable grip

Rope length should be tested by all scouts for length and comfort

Foot rests are allowed and encourage to give scout leverage for steering

Braking

Car must be equipped with a rubber "drag" pad or equivalent. Brakes must stop car in a timely manner. Any car which no longer has good working brakes or has a problem with the braking system must have it repaired prior to racing. The use of a dual braking system as shown in the photos is encouraged as an added safety measure.

Seat

Securely fasted to the frame

Old tractor seats are allowed

A seat with a backrest is encouraged

Floorboards

A floorboard may be attached to discourage the driver from braking with his feet is optional. It should be positioned between brakes and front axle. (It must NOT interfere with operation of brakes or steering.)

Made from 3/8" plywood can be up to 10" long and 24" wide (see photos). NO additional weighting to the car will be allowed as means to increase speed.

Cart Designs

Lightweight items such as flags can be attached to car as long as it is secured- Be creative
Decorations and paint schemes shall uphold BSA values and traditions.

Safety Equipment

Full faced helmet (motor cross style)- NO bicycle helmets
Boots/sturdy shoes
Work style gloves
Full length pants
Long sleeved shirt

CUBMOBILE. Use a helmet and safety belt.

